

## Script generated by TTT

Title: groh: profile1 (03.06.2016)

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Pages: 90

2: Java: Sprachgrundlagen

<http://docs.oracle.com/javase/tutorial/java/nutsandbolts/variables.html>

<http://docs.oracle.com/javase/tutorial/java/nutsandbolts/operators.html>

<http://docs.oracle.com/javase/tutorial/java/nutsandbolts/expressions.html>

<http://docs.oracle.com/javase/tutorial/java/nutsandbolts/flow.html>

mit den jeweiligen Unterseiten

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FOLIE 57 VON 196 ENGLISCH (USA) DE 99% 09:16 03.06.2016

Variablen

- **Definition Variable** (informell): mit einem **Bezeichner** (Name) versehener **Platzhalter für Werte** eines bestimmten **Typs**. Variablen haben eine **Adresse im Speicher**.
- Variablen (bzw. ihre Werte) haben einen **Typ**:
  - primitiver Typ oder
  - Referenztyp

- **Definition Variable** (informell): mit einem **Bezeichner** (Name) versehener **Platzhalter für Werte** eines bestimmten **Typs**. Variablen haben eine **Adresse im Speicher**.
- Variablen (bzw. ihre Werte) haben einen **Typ**:
  - primitiver Typ oder
  - Referenztyp

	(Typ-)Definition	Deklaration	Instantiierung	Manipulation	Test auf Gleichheit
Primitiv	(vordefiniert)	int a;	a = 117;	a = b + 42;	a == b;
Referenz	class Student { // Fields and // methods ... }	Student heiner;	heiner = new Student();	heiner = horst; <small>je nach Betrachtungsweise auch (Vorsicht! ↪ genaue Definition! Siehe Folie 58ff.):</small> heiner.age = 21; heiner.yawn();	heiner.equals(horst);

	(Typ-)Definition	Deklaration	Instantiierung	Manipulation	Test auf Gleichheit
Primitiv	(vordefiniert)	int a;	a = 117;	a = b + 42;	a == b;
Referenz	class Student { // Fields and // methods ... }	Student heiner;	heiner = new Student();	heiner = horst; <small>je nach Betrachtungsweise auch (Vorsicht! ↪ genaue Definition! Siehe Folie 58ff.):</small> heiner.age = 21; heiner.yawn();	heiner.equals(horst);

## Primitive Typen: Numerische Typen

						$\in \mathbb{Z}$	$\in \mathbb{Q}$	$\approx \mathbb{R}$
byte	short	int	long	float	double			
8 bit	16 bit	32 bit	64 bit	32 bit	64 bit			
$[-2^7, 2^7-1]$ = [-128, 127]	$[-2^{15}, 2^{15}-1]$ = [-32768, 32767]	$[-2^{31}, 2^{31}-1]$ = [-2147483648, 2147483647]	$[-2^{63}, 2^{63}-1]$ = [-9223372036854775808, 9223372036854775807]	$[+/- \approx 1.4 \cdot 10^{-45}, +/- \approx 3.4 \cdot 10^{38}]$	$[+/- \approx 4.9 \cdot 10^{-324}, +/- \approx 1.8 \cdot 10^{308}]$			

```
byte flags = 63;
short bbb = 10133;
int heiner = 234103234;
long lilalo = -83628735682345;
float fff = 5464.00345;
float ggg = -345545.34534E-12f; = -345545.34534 * 10^-12
double sss = 3245343455.555E67; = 3245343455.555 * 10^67
```

## Referenztypen

- Referenztyp-Variable „zeigt“ auf ein Objekt
- Typ der Variable ist die Klasse des Objekts

```
Bicycle bike1 = new Bicycle();
Bicycle bike2 = new Bicycle();
```

```
boolean c;
c = bike1.equals(bike2);
// c == true
c = (bike1 == bike2);
// c == false
```

### Vereinfachtes Speicher-Modell

Zellnr (Adresse)	Zellname (Variablenname)	Zellinhalt
...	...	...
1149	bike1	<1150>
1150	bike1.cadence	0
1151	bike1.speed	0
1152	bike1.gear	1
...	...	...
1327	bike2	<1405>
...	...	...
1405	bike2.cadence	0
1406	bike2.speed	0
1407	bike2.gear	1
...	...	...

## Operatoren

Operatoren kombinieren (Werte von) Variablen und Literale (Konstanten) und liefern Werte:

### Arithmetische Operatoren

+	Addition	1 + 1	d + aaa	cc = b + 1.7d;	int a = 1 + 1;
-	Subtraktion	3 - 7	int b = c - 9;	float f = 10.02f - 23.56f;	
*	Multiplikation	blub = fd * 0.1f;	double d = z * z;		
/	Division	int a = 17 / 9;	// a == 1;		
%	Rest	float eee = 13.0f / 2.0f;	// ee == 6.5f;	int a = 17 % 9	// a == 8;

## Statements

Statement: Komplette ausführbare Einheit. Endet mit „;“

### Expression statements: (sind Expressions die mit ; abgeschlossen wurden)

- Zuweisungen  $a = (17 + (3 * 9)) \% 3;$
- Zuweisung unter Benutzung von ++ oder --  $a++;$
- Methodenaufrufe  $someObject.methodOne();$
- Objekterzeugung  $someObject = new SomeClass();$

### Deklarationen

```
int a;           SomeClass someObject;
```

### Blocks (nächste Folie)

### Kontrollfluss-Statements (kommt gleich)

Block: Gruppe von Statements eingeschlossen in { } Klammern

```
if (a != b) {           // begin block
    int c;
    c = a * b;
    System.out.println(c);
}                       // end block
```

Kontrollfluss-Statements erlauben es, von der **sequentiellen Abfolge** der Abarbeitung der Statements **abzuweichen**.

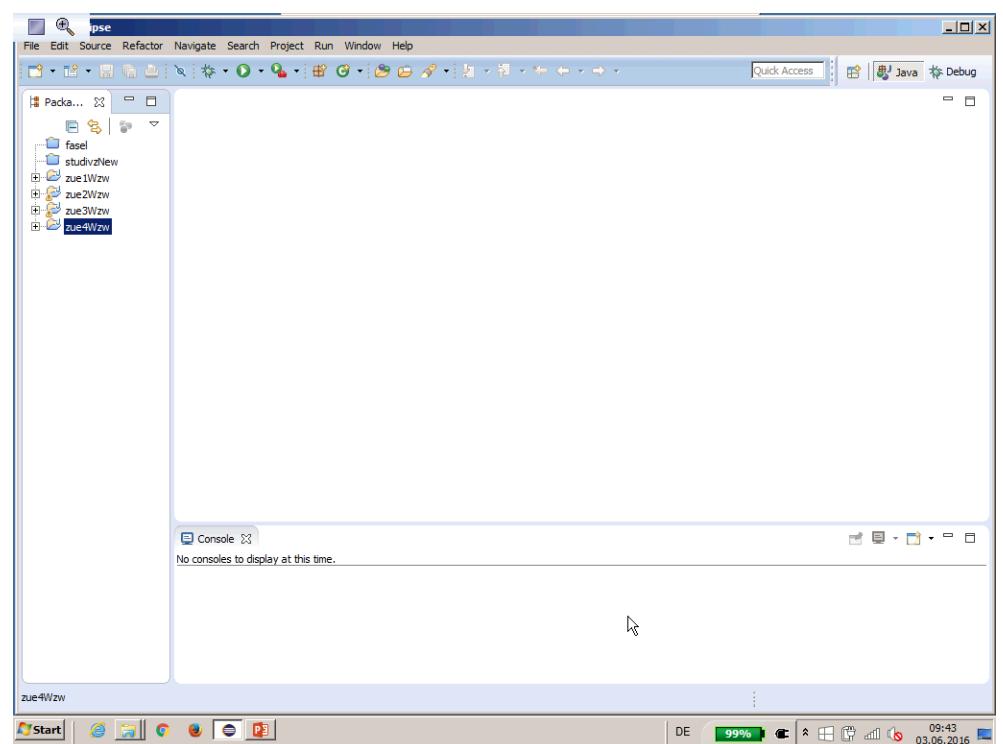
- Bedingte Verzweigungen (conditionals): if, if else, switch
- Schleifen (loops): while, do while, for
- Verzweigungen (branches): break, continue, return

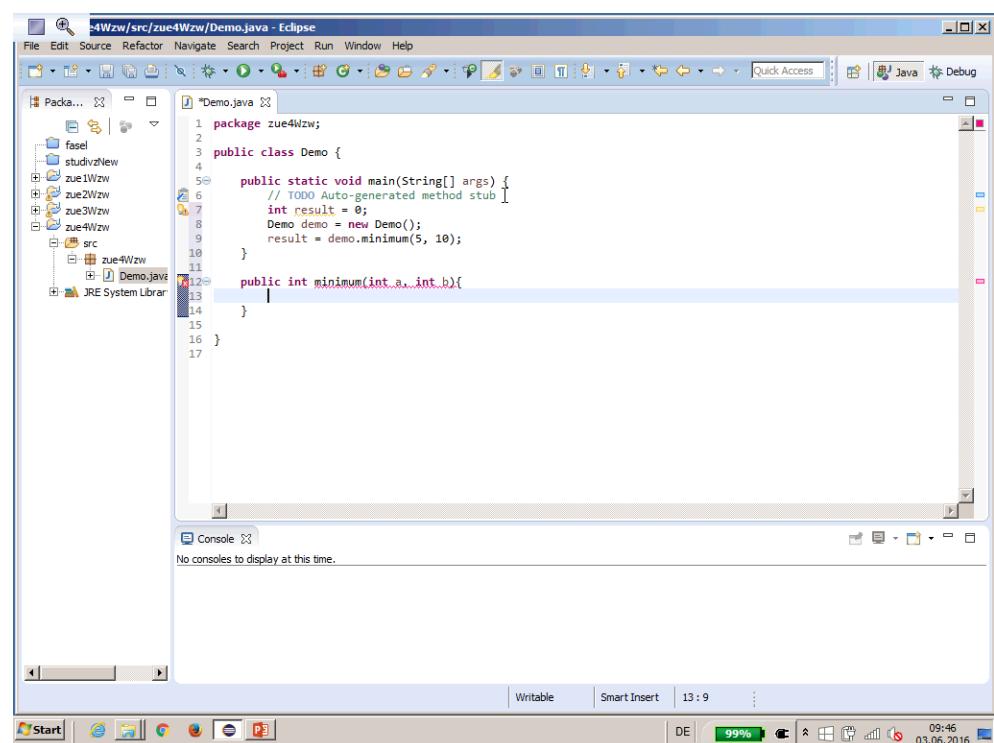
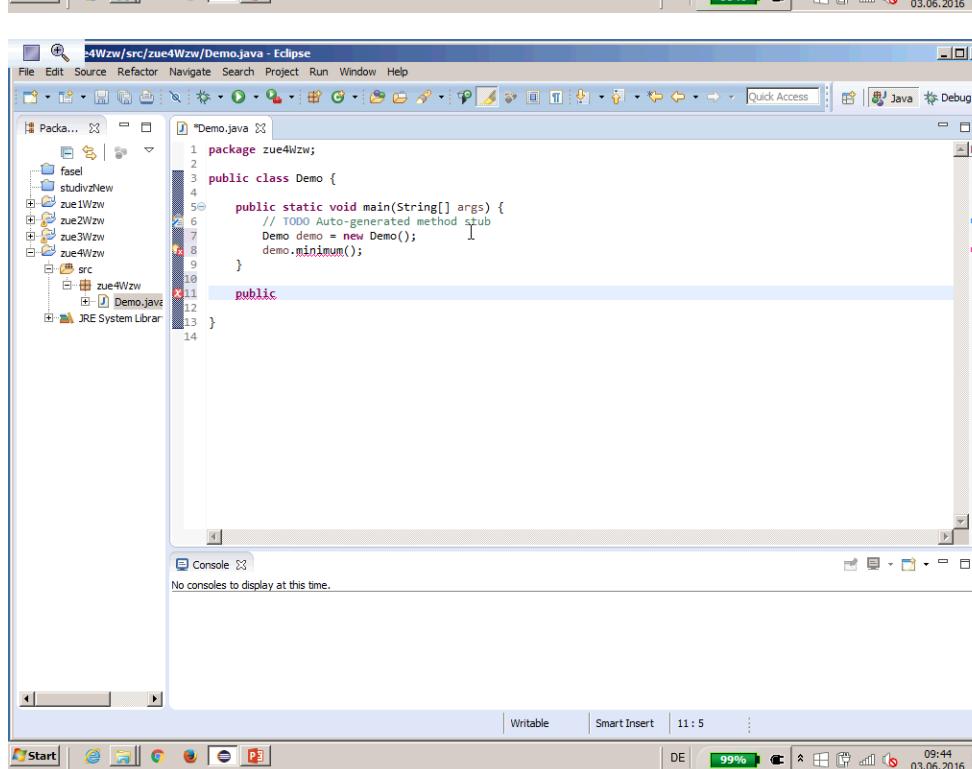
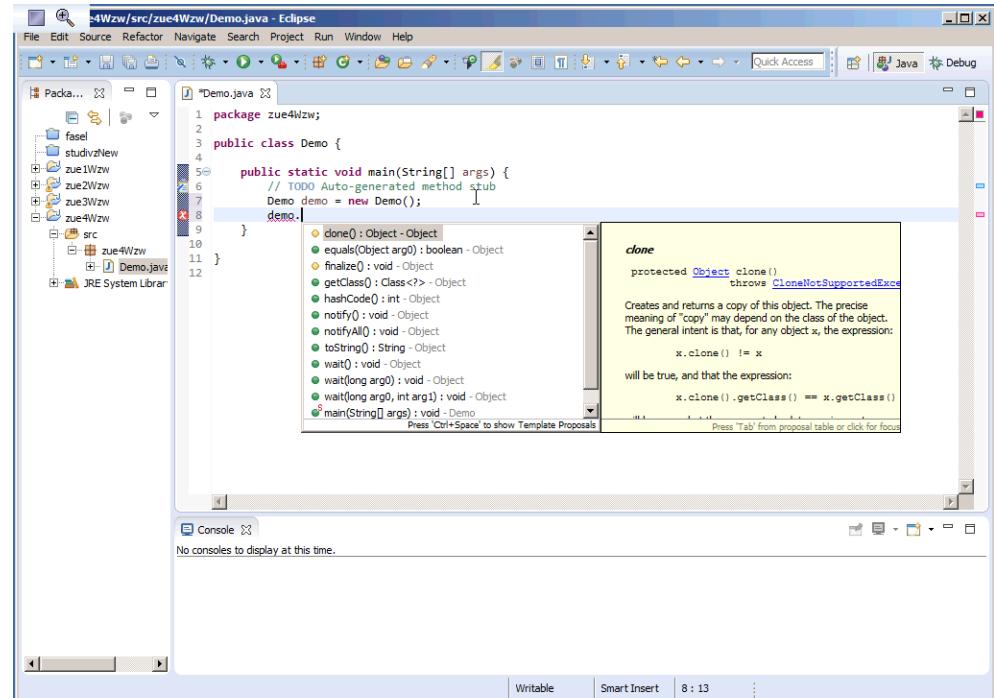
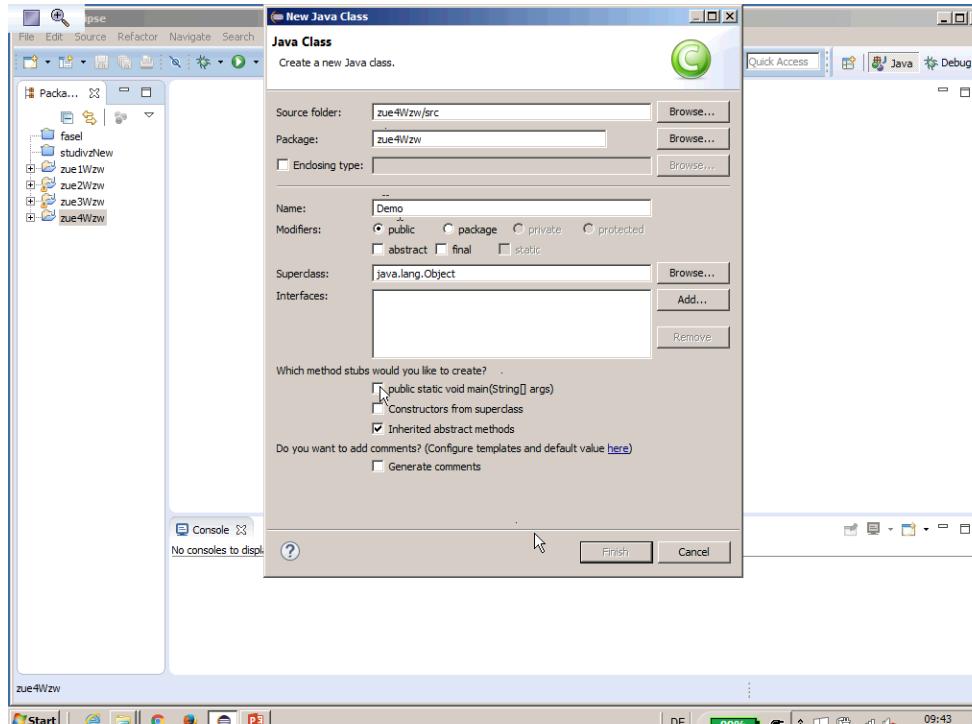
88

90

verzweigungen: return break continue

- **return:** Beende die gerade ausgeführte Methode und gehe im Kontrollfluss an die Stelle **zurück**, wo sie **aufgerufen** wurde.  
(Mehr Details folgen gleich)





Eclipse IDE screenshot showing the Java code for Demo.java:

```
package zue4Wzw;
public class Demo {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int result = 0;
        Demo demo = new Demo();
        result = demo.minimum(5, 10);
    }
    public int minimum(int a, int b){
        int result;
        int result = zue4Wzw.Demo.minimum(int, int)
    }
}
```

The code is incomplete, with a placeholder for the minimum method implementation.

Eclipse IDE screenshot showing the Java code for Demo.java:

```
package zue4Wzw;
public class Demo {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int result = 0;
        Demo demo = new Demo();
        result = demo.minimum(5, 10);
    }
    public int minimum(int a, int b){
        int result;
        if(a < b)
            result = a;
        else
            result = b;
    }
}
```

The code is partially completed, showing the logic for the minimum method.

Eclipse IDE screenshot showing the Java code for Demo.java:

```
package zue4Wzw;
public class Demo {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int result = 0;
        Demo demo = new Demo();
        result = demo.minimum(5, 10);
    }
    public int minimum(int a, int b){
        int result;
        if(a < b)
            result = a;
        else
            result = b;
        return result;
    }
}
```

The code is fully implemented, returning the result of the minimum comparison.

Eclipse IDE screenshot showing the Java code for Demo.java:

```
package zue4Wzw;
public class Demo {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int result = 0;
        Demo demo = new Demo();
        result = demo.minimum(5, 10);
    }
    public int minimum(int a, int b){
        int result;
        if(a < b){
            result = a;
            System.out.println("String x");
        } else
            result = b;
        return result;
    }
}
```

The code includes a print statement to output the value of 'x'.

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10);
10    }
11
12    public int minimum(int a, int b){
13        int result;
14        if(a < b){
15            result = a;
16            System.out.println("kjhjhjhj");
17            System.out.println("hhhhh");
18        }
19        else
20            result = b;
21        return result;
22    }
23
24 }
25
```

Console

```
No consoles to display at this time.
```

Writable Smart Insert 17:1

Start

DE 99% 09:49 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10); ]
10    }
11
12    public int minimum(int a, int b){
13        int result;
14        if(a < b){
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16            System.out.println("kjhjhjhj");
17            System.out.println("hhhhh");
18        }
19        else
20            result = b;
21        return result;
22    }
23
24 }
25
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:50:26)
kjhjhjhj
hhhhh
```

Writable Smart Insert 9:38

Start

DE 99% 09:50 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10);
10        System.out.println("das ergebnis ist: " + result); ]
11    }
12
13    public int minimum(int a, int b){
14        int result;
15        if(a < b){
16            result = a;
17            System.out.println("kjhjhjhj");
18            System.out.println("hhhhh");
19        }
20        else
21            result = b;
22        return result;
23    }
24
25 }
26
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:50:26)
kjhjhjhj
hhhhh
```

Writable Smart Insert 10:9

Start

DE 99% 09:50 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11    }
12
13    public int minimum(int a, int b){
14        int result;
15        if(a < b){
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18            System.out.println("hhhhh");
19        }
20        else
21            result = b;
22        return result;
23    }
24
25 }
26
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:50:26)
kjhjhjhj
hhhhh
```

int result  
0

Writable Smart Insert 10:67

Start

DE 99% 09:52 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

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1 package zue4Wzw;
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18            //System.out.println("hhhhh");
19        }
20        else
21            result = b;
22        return result;
23    }
24
25 }
26
```

Console

```
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kjhjhjhj
hhhhh
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
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Packa... Demo.java

```
10
11
12
13    public int minimum(int a, int b){
14        int result;
15        if(a < b){
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19        }
20        else
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26        int result;
27        if(a < b){
28            result = a;
29            //System.out.println("kjhjhjhj");
30            //System.out.println("hhhhh");
31        }
32        else
33            result = b;
34        return result;
35    }
36
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
das ergebnis ist: 5
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
7
8
9
10    int result = 0;
11    Demo demo = new Demo();
12    result = demo.minimum(5, 10);
13    System.out.println("das ergebnis ist: " + String.valueOf(result));
14
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26
27    public int minimum2(int a, int b){
28        if(a < b)
29            return a;
30        else
31            return b;
32    }
33
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
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Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

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File Edit Source Refactor Navigate Search Project Run Window Help
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Console

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Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

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Demo demo = new Demo();
result = demo.minimum(5, 10);
System.out.println("das ergebnis ist: " + String.valueOf(result));

public int minimum(int a, int b){
    int result;
    if(a < b){
        result = a;
        //System.out.println("kjxhjhbj");
        //System.out.println("hhhhh");
    }
    else
        result = b;
    return result;
}

public int minimum2(int a, int b){
    if(a < b)
        return a;
    else
        return b;
}
```

Console

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Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

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        //System.out.println("hhhhh");
    }
    else
        result = b;
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public int minimum2(int a, int b){
    if(a < b)
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Console

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das ergebnis ist: 5
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
int result = 0;
Demo demo = new Demo();
result = demo.minimum(5, 10*2);
System.out.println("das ergebnis ist: " + String.valueOf(result));

public int minimum(int a, int b){
    int result;
    if(a < b){
        result = a;
        //System.out.println("kjxhjhbj");
        //System.out.println("hhhhh");
    }
    else
        result = b;
    return result;
}

public int minimum2(int a, int b){
    if(a < b)
        return a;
    else
        return b;
}
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
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Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

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Demo demo = new Demo();
result = demo.minimum(5, 10*2);
System.out.println("das ergebnis ist: " + String.valueOf(result));

public int minimum(int a, int b){
    int result;
    if(a < b){
        result = a;
        //System.out.println("kjxhjhbj");
        //System.out.println("hhhhh");
    }
    else
        result = b;
    return result;
}

public int minimum2(int a, int b){
    if(a < b)
        return a;
    else
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}
```

Console

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<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
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```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

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result = demo.minimum(5, 10*2);
System.out.println("das ergebnis ist: " + String.valueOf(result));

public int minimum(int a, int b){
    int result;
    if(a < b){
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        //System.out.println("hhhhh");
    }
    else
        result = b;
    return result;
}

public int minimum2(int a, int b){
    if(a < b)
        return a;
    else
        return b;
}

```

Console

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<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
das ergebnis ist: 5
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Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
int result = 0;
Demo demo = new Demo();
result = demo.minimum(5, 10*2);
System.out.println("das ergebnis ist: " + String.valueOf(result));

public int minimum(int a, int b){
    int result;
    if(a < b){
        result = a;
        //System.out.println("kjhjhjhj");
        //System.out.println("hhhhh");
    }
    else
        result = b;
    return result;
}

public int minimum2(int a, int b){
    if(a < b)
        return a;
    else
        return b;
}

```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
das ergebnis ist: 5
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
public int minimum(int a, int b){
    int result;
    if(a < b){
        result = a;
        //System.out.println("kjhjhjhj");
        //System.out.println("hhhhh");
    }
    else
        result = b;
    return result;
}

public int minimum2(int a, int b){
    if(a < b)
        return a;
    else
        return b;
}

public long fakultatet(int a){
    long result = 1;
}

```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
das ergebnis ist: 5
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
public int minimum(int a, int b){
    int result;
    if(a < b){
        result = a;
        //System.out.println("kjhjhjhj");
        //System.out.println("hhhhh");
    }
    else
        result = b;
    return result;
}

public int minimum2(int a, int b){
    if(a < b)
        return a;
    else
        return b;
}

public long fakultatet(int a){
    long result = 1;
    while()
}

```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
das ergebnis ist: 5
```

Syntax error on token ");", delete this token

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... \*Demo.java

```
12     if(a < b){  
13         result = a;  
14         //System.out.println("kjxhjhji");  
15         //System.out.println("hhhhh");  
16     }  
17     else  
18         result = b;  
19     return result;  
20 }  
  
21 public int minimum2(int a, int b){  
22     if(a < b)  
23         return a;  
24     else  
25         return b;  
26 }  
  
27 public long faktultatet(int a){  
28     long result = 1;  
29     while(a > 1){  
30         result = result * a;  
31         a = a - 1;  
32     }  
33 }  
34 }  
35 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)  
das ergebnis ist: 5
```

Writable Smart Insert 35 : 32

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... \*Demo.java

```
1 public static void main(String[] args) {  
2     // TODO Auto-generated method stub  
3     int result = 0;  
4     Demo demo = new Demo();  
5     result = demo.minimum(5, 10*2);  
6     System.out.println("das ergebnis ist: " + String.valueOf(result));  
7 }  
  
8 public int minimum(int a, int b){  
9     int result;  
10    if(a < b){  
11        result = a;  
12        //System.out.println("kjxhjhji");  
13        //System.out.println("hhhhh");  
14    }  
15    else  
16        result = b;  
17    return result;  
18 }  
  
19 public int minimum2(int a, int b){  
20     if(a < b)  
21         return a;  
22     else  
23         return b;  
24 }  
25 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)  
das ergebnis ist: 5
```

Writable Smart Insert 38 : 23

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... \*Demo.java

```
11     long result2 = faktultaet();  
12 }  
13  
14 public int minimum(int a, int b){  
15     int result;  
16     if(a < b){  
17         result = a;  
18         //System.out.println("kjxhjhji");  
19         //System.out.println("hhhhh");  
20     }  
21     else  
22         result = b;  
23     return result;  
24 }  
  
25 public int minimum2(int a, int b){  
26     if(a < b)  
27         return a;  
28     else  
29         return b;  
30 }  
  
31 public long faktultaet(int a){  
32     long result = 1;  
33     while(a > 1){  
34         result = result * a;  
35         a = a - 1;  
36     }  
37 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)  
das ergebnis ist: 5
```

Writable Smart Insert 11 : 9

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... \*Demo.java

```
10 public static void main(String[] args) {  
11     // TODO Auto-generated method stub  
12     int result = 0;  
13     Demo demo = new Demo();  
14     result = demo.minimum(5, 10*2);  
15     System.out.println("das ergebnis ist: " + String.valueOf(result));  
16     long result2 = faktultaet();  
17 }  
  
18 public int minimum(int a, int b){  
19     int result;  
20     if(a < b){  
21         result = a;  
22         //System.out.println("kjxhjhji");  
23         //System.out.println("hhhhh");  
24     }  
25     else  
26         result = b;  
27     return result;  
28 }  
  
29 public int minimum2(int a, int b){  
30     if(a < b)  
31         return a;  
32     else  
33         return b;  
34 }  
35 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)  
das ergebnis ist: 5
```

Writable Smart Insert 11 : 9

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
5 public static void main(String[] args) {
6     // TODO Auto-generated method stub
7     int result = 0;
8     Demo demo = new Demo();
9     result = demo.minimum(5, 10*2);
10    System.out.println("das ergebnis ist: " + String.valueOf(result));
11    long result2 = faculty(5);
12    System.out.println("das ergebnis ist: " + String.valueOf(result2));
13 }
14
15 public int minimum(int a, int b){
16     int result;
17     if(a < b){
18         result = a;
19         //System.out.println("kjxhjhj");
20         //System.out.println("hhhhh");
21     } else
22         result = b;
23     return result;
24 }
25
26 public int minimum2(int a, int b){
27     if(a < b)
28         return a;
29     else
30         return b;
31 }
32
33 public long faculty(int a){
34     long result = 1;
35     while(a > 1){
36         result = result * a;
37         a = a - 1;
38     }
39     return result;
40 }
41
42 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 09:53:18)
das ergebnis ist: 5
```

Start | Windows | Internet Explorer | Java | P3 | DE | 99% | 10:07 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
5 public static void main(String[] args) {
6     // TODO Auto-generated method stub
7     int result = 0;
8     Demo demo = new Demo();
9     result = demo.minimum(5, 10*2);
10    System.out.println("das ergebnis ist: " + String.valueOf(result));
11    long result2 = demo.faculty(5);
12    System.out.println("das ergebnis ist: " + String.valueOf(result2));
13 }
14
15 public int minimum(int a, int b){
16     int result;
17     if(a < b){
18         result = a;
19         //System.out.println("kjxhjhj");
20         //System.out.println("hhhhh");
21     } else
22         result = b;
23     return result;
24 }
25
26 public int minimum2(int a, int b){
27     if(a < b)
28         return a;
29     else
30         return b;
31 }
32
33 public long faculty(int a){
34     long result = 1;
35     while(a > 1){
36         result = result * a;
37         a = a - 1;
38     }
39     return result;
40 }
41
42 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:09:03)
das ergebnis ist: 5
das ergebnis ist: 120
```

Start | Windows | Internet Explorer | Java | P3 | DE | 99% | 10:09 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
19 result = a;
20 //System.out.println("kjxhjhj");
21 //System.out.println("hhhhh");
22 } else
23     result = b;
24 return result;
25 }
26
27 public int minimum2(int a, int b){
28     if(a < b)
29         return a;
30     else
31         return b;
32 }
33
34 public long faculty(int a){
35     long result = 1;
36     while(a > 1){
37         result = result * a;
38         a = a - 1;
39     }
40     return result;
41 }
42
43 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:09:03)
das ergebnis ist: 5
das ergebnis ist: 1
```

Start | Windows | Internet Explorer | Java | P3 | DE | 99% | 10:09 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        long result2 = demo.faculty(0);
12        System.out.println("das ergebnis ist: " + String.valueOf(result2));
13    }
14
15     public int minimum(int a, int b){
16         int result;
17         if(a < b){
18             result = a;
19             //System.out.println("kjxhjhj");
20             //System.out.println("hhhhh");
21         } else
22             result = b;
23         return result;
24     }
25
26     public int minimum2(int a, int b){
27         if(a < b)
28             return a;
29         else
30             return b;
31     }
32
33     public long faculty(int a){
34         long result = 1;
35         while(a > 1){
36             result = result * a;
37             a = a - 1;
38         }
39         return result;
40     }
41
42 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:09:28)
das ergebnis ist: 5
das ergebnis ist: 1
```

Start | Windows | Internet Explorer | Java | P3 | DE | 99% | 10:10 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        long result2 = demo.faculty(-3);
12        System.out.println("das ergebnis ist: " + String.valueOf(result2));
13    }
14
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26}
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Writable Smart Insert 11: 39

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        long result2 = demo.faculty(-3);
12        System.out.println("das ergebnis ist: " + String.valueOf(result2));
13    }
14
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26}
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Writable Smart Insert 11: 39

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        long result2 = demo.faculty(-3);
12        System.out.println("das ergebnis ist: " + String.valueOf(result2));
13    }
14
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26}
```

\*28 public w

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Writable Smart Insert 28 : 5

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        long result2 = demo.faculty(-3);
12        System.out.println("das ergebnis ist: " + String.valueOf(result2));
13    }
14
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26
27    public power(double argument, int m)
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Return type for the method is missing Writable Smart Insert 28 : 33

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
14    }
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26
27    public double power(double argument, int m){
28
29    public int minimum2(int a, int b){
30        if(a < b)
31            return a;
32        else
33            return b;
34    }
35
36    public long faculty(int a){
37        long result = 1;
38        while(a > 1){
39            result = result * a;
40        }
41
42        return result;
43    }
44
45        }
46        public int minimum(int a, int b){
47            int result;
48            if(a < b){
49                result = a;
50                //System.out.println("kjhjhjhj");
51                //System.out.println("hhhhh");
52            }
53            else
54                result = b;
55            return result;
56        }
57
58        public double power(double argument, int m){
59            double result = 1;
60            for(int i=1; i<=m; i++){
61                result = result * argument;
62            }
63
64            }
65            public int minimum2(int a, int b){
66                if(a < b)
67                    return a;
68                else
69                    return b;
70            }
71
72            }
73            public long facultyv(int a){
74
75        }
76
77        }
78        
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
14    }
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26
27    public double power(double argument, int m){
28        double result = 1;
29
30        }
31        public int minimum2(int a, int b){
32            if(a < b)
33                return a;
34            else
35                return b;
36
37            }
38            public long facultyv(int a){
39
40        }
41
42        }
43        
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
14    }
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26
27    public double power(double argument, int m){
28        double result = 1;
29        for(int i=1; i<=m; i++){
30            result = result * argument;
31        }
32
33        }
34        public int minimum2(int a, int b){
35            if(a < b)
36                return a;
37            else
38                return b;
39
40            }
41            public long facultyv(int a){
42
43        }
44
45        }
46        
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
14    }
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjhj");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26
27    public double power(double argument, int m){
28        double result = 1;
29        for(int i=0; i<m; i++){
30            result = result * argument;
31        }
32
33        }
34        public int minimum2(int a, int b){
35            if(a < b)
36                return a;
37            else
38                return b;
39
40            }
41            public long facultyv(int a){
42
43        }
44
45        }
46        
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        //long result2 = demo.faculty(-3);
12        System.out.println("das ergebnis ist: " + String.valueOf(result2));
13    }
14
15    public int minimum(int a, int b){
16        int result;
17        if(a < b){
18            result = a;
19            //System.out.println("kjhjhjh");
20            //System.out.println("hhhhh");
21        }
22        else
23            result = b;
24        return result;
25    }
26
27 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:10:11)
das ergebnis ist: 5
das ergebnis ist: 1
```

Start | Writable | SmartInsert | 12:31 | DE | 99% | 10:18 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        //long result2 = demo.faculty(-3);
12        double result2 = demo.power(2.0d, 3);
13        System.out.println("das ergebnis ist: " + String.valueOf(result2));
14    }
15
16    public int minimum(int a, int b){
17        int result;
18        if(a < b){
19            result = a;
20            //System.out.println("kjhjhjh");
21            //System.out.println("hhhhh");
22        }
23        else
24            result = b;
25        return result;
26    }
27 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:19:44)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 12:45 | DE | 99% | 10:19 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public int result;
6     public int b;
7     public int result;
8     return result;
9
10    public double power(double argument, int m){
11        double result = 1;
12        for(int i=0; i<m; i++){
13            result = result * argument;
14        }
15        return result;
16    }
17
18    public int minimum2(int a, int b){
19        if(a < b)
20            return a;
21        else
22            return b;
23    }
24
25    public long faculty(int a){
26        long result = 1;
27        while(a > 1){
28            result = result * a;
29            a = a - 1;
30        }
31        return result;
32    }
33
34 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:20:02)
das ergebnis ist: 5
das ergebnis ist: 1.0
```

Start | Writable | SmartInsert | 12:45 | DE | 99% | 10:20 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public int result;
6     public int b;
7     public int result;
8     return result;
9
10    public double power(double argument, int m){
11        double result = 1;
12        for(int i=0; i<m; i++){
13            result = result * argument;
14        }
15        return result;
16    }
17
18    public int minimum2(int a, int b){
19        if(a < b)
20            return a;
21        else
22            return b;
23    }
24
25    public long facultyNwhile(double argument, int m){
26        double result = 1;
27
28        for(int i=0; i<m; i++){
29            result = result * argument;
30        }
31        return result;
32    }
33
34 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:20:02)
das ergebnis ist: 5
das ergebnis ist: 1.0
```

Start | Writable | SmartInsert | 12:44 | DE | 99% | 10:20 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... \*Demo.java 23

```
25     result = b;
26 }
27 }
28
29 public double power(double argument, int m){
30     double result = 1;
31     for(int i=0; i<m; i++){
32         result = result * argument;
33     }
34     return result;
35 }
36
37 public double powerMitWhile(double argument, int m){
38     double result = 1;
39     int i = m;
40
41     for(int j=0; i>0; i--){
42         result = result * argument;
43     }
44     return result;
45 }
46
47 public int minimum2(int a, int b){
48     if(a < b)
49         return a;
50     else
51         return b;
52 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:20:02)
das ergebnis ist: 5
das ergebnis ist: 1.0
```

Writable SmartInsert 39 : 9

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... \*Demo.java 35

```
25 }
26
27 public double power(double argument, int m){
28     double result = 1;
29     for(int i=0; i<m; i++){
30         result = result * argument;
31     }
32     return result;
33 }
34
35 public double powerMitWhile(double argument, int m){
36     double result = 1;
37     int i = m;
38
39     while(i > 0){
40         result = result * argument;
41         i = i - 1;
42     }
43
44     for(int j=0; i>0; i--){
45         result = result * argument;
46     }
47     return result;
48 }
49
50 public int minimum2(int a, int b){
51     if(a < b)
52         return a;
53 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:20:02)
das ergebnis ist: 5
das ergebnis ist: 1.0
```

Writable SmartInsert 40 : 15

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... \*Demo.java 37

```
27 }
28
29 public double power(double argument, int m){
30     double result = 1;
31     for(int i=0; i<m; i++){
32         result = result * argument;
33     }
34     return result;
35 }
36
37 public double powerMitWhile(double argument, int m){
38     double result = 1;
39     int i = m;
40
41     while(i > 0){
42         result = result * argument;
43         i = i - 1;
44     }
45
46     for(int j=0; i>0; i--){
47         result = result * argument;
48     }
49     return result;
50 }
51
52 public int minimum2(int a, int b){
53     if(a < b)
54         return a;
55 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:20:02)
das ergebnis ist: 5
das ergebnis ist: 1.0
```

Writable SmartInsert 45 : 29

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... \*Demo.java 7

```
7 package zue4Wzw;
8
9 public class Demo {
10
11     public static void main(String[] args) {
12         // TODO Auto-generated method stub
13         int result = 0;
14         Demo demo = new Demo();
15         result = demo.minimum(5, 10*2);
16         System.out.println("das ergebnis ist: " + String.valueOf(result));
17         //long result2 = demo.faculty(-3);
18         double result2 = demo.power(2.0d, 0);
19         System.out.println("das ergebnis ist: " + String.valueOf(result2));
20     }
21
22
23     public int minimum(int a, int b){
24         int result;
25         if(a < b){
26             result = a;
27             //System.out.println("kjxhhjhbj");
28             //System.out.println("hhhhh");
29         }
30         else
31             result = b;
32         return result;
33     }
34 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:20:02)
das ergebnis ist: 5
das ergebnis ist: 1.0
```

Writable SmartInsert 45 : 29

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        long result2 = demo.factury(-3);
12        double power2 = demo.powerMitwhile(2.0d,3);
13        System.out.println("das ergebnis ist: " + String.valueOf(result2));
14    }
15
16    public int minimum(int a, int b){
17        int result;
18        if(a < b){
19            result = a;
20            //System.out.println("kjhjhjh");
21        } else {
22            result = b;
23        }
24        return result;
25    }
26
27 }
```

Console

```
No consoles to display at this time.
```

Writable SmartInsert 12 : 44

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         return result;
9     }
10
11     public double power(double argument, int m){
12         double result = 1;
13         for(int i=0; i<m; i++){
14             result = result * argument;
15         }
16         return result;
17     }
18
19     public double powerMitwhile(double argument, int m){
20         double result = 1;
21         int i = m;
22         while(i > 0){
23             result = result * argument;
24             i = i - 1;
25         }
26         return result;
27     }
28
29     public double powerMitwhile(double argument, int m){
30         double result = 1;
31         int i = m;
32         while(i > 0){
33             result = result * argument;
34             i = i - 1;
35         }
36         return result;
37     }
38
39     public int minimum2(int a, int b){
40         if(a < b)
41             return a;
42         else
43             return b;
44     }
45
46 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Writable SmartInsert 12 : 52

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         return result;
9     }
10
11     public double exp(double x){
12         double result = 1;
13         for(int i=0; i<x; i++){
14             result = result * argument;
15         }
16         return result;
17     }
18
19     public double power(double argument, int m){
20         double result = 1;
21         for(int i=0; i<m; i++){
22             result = result * argument;
23         }
24         return result;
25     }
26
27     public double powerMitwhile(double argument, int m){
28         double result = 1;
29         int i = m;
30         while(i > 0){
31             result = result * argument;
32             i = i - 1;
33         }
34         return result;
35     }
36
37     public int minimum2(int a, int b){
38         if(a < b)
39             return a;
40         else
41             return b;
42     }
43
44 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Writable SmartInsert 29 : 32

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         return result;
9     }
10
11     public double exp(double x){
12         double result = 1.0d;
13         for(int i=0; i<x; i++){
14             result = result * argument;
15         }
16         return result;
17     }
18
19     public double power(double argument, int m){
20         double result = 1;
21         for(int i=0; i<m; i++){
22             result = result * argument;
23         }
24         return result;
25     }
26
27     public double powerMitwhile(double argument, int m){
28         double result = 1.0d;
29         int i = m;
30         while(i > 0){
31             result = result * argument;
32             i = i - 1;
33         }
34         return result;
35     }
36
37     public int minimum2(int a, int b){
38         if(a < b)
39             return a;
40         else
41             return b;
42     }
43
44 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Writable SmartInsert 42 : 26

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
25    result = 0;
26    return result;
27}
28
29 public double exp(double x){
30    double result = 1.0d;
31}
32
33 public double power(double argument, int m){
34    double result = 1;
35    for(int i=0; i<m; i++){
36        result = result * argument;
37    }
38    return result;
39}
40
41 public double powerMitWhile(double argument, int m){
42    double result = (double)1;
43    int i = m;
44    while(i > 0){
45        result = result * argument;
46        i = i - 1;
47    }
48    return result;
49}
50
51 public int minimum2(int a, int b){
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 42 : 26 | DE | 99% | 10:27 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
25    result = 0;
26    return result;
27}
28
29 public double exp(double x){
30    double result = 1.0d;
31}
32
33 public double power(double argument, int m){
34    double result = 1;
35    for(int i=0; i<m; i++){
36        result = result * argument;
37    }
38    return result;
39}
40
41 public double powerMitWhile(double argument, int m){
42    double result = 1.0d;
43    int i = m;
44    while(i > 0){
45        result = result * argument;
46        i = i - 1;
47    }
48    return result;
49}
50
51 public int minimum2(int a, int b){
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 42 : 34 | DE | 99% | 10:28 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
25    result = 0;
26    return result;
27}
28
29 public double exp(double x){
30    double result = 1.0d;
31    for(int i=0; i<x; i++){
32    }
33}
34
35 public double power(double argument, int m){
36    double result = 1;
37    for(int i=0; i<m; i++){
38        result = result * argument;
39    }
40    return result;
41}
42
43 public double powerMitWhile(double argument, int m){
44    double result = 1.0d;
45    int i = m;
46    while(i > 0){
47        result = result * argument;
48        i = i - 1;
49    }
50    return result;
51}
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 31 : 12 | DE | 99% | 10:29 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Packa... Demo.java

```
25    result = 0;
26    return result;
27}
28
29 public double exp(double x){
30    double result = 1.0d;
31    for(int i=0; i<x; i++){
32    }
33}
34
35 public double power(double argument, int m){
36    double result = 1;
37    for(int i=0; i<m; i++){
38        result = result * argument;
39    }
40    return result;
41}
42
43 public double powerMitWhile(double argument, int m){
44    double result = 1.0d;
45    int i = m;
46    while(i > 0){
47        result = result * argument;
48        i = i - 1;
49    }
50    return result;
51}
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 32 : 30 | DE | 99% | 10:29 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4     ...
5     public static void main(String[] args) {
6         ...
7         System.out.println("das ergebnis ist: " + String.valueOf(result));
8         ...
9     }
10    public int minimum(int a, int b){
11        ...
12        if(a < b){
13            result = a;
14            //System.out.println("kjxhjhjhj");
15            //System.out.println("hhhhh");
16        } else {
17            result = b;
18            return result;
19        }
20    }
21    ...
22 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 32 : 30 | DE | 99% | 10:29 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java1 package zue4Wzw;
2
3 public class Demo {
4 ...
5 public static void main(String[] args) {
6 ...
7 System.out.println("das ergebnis ist: " + String.valueOf(result));
8 ...
9 }
10 public int minimum(int a, int b){
11 ...
12 if(a < b){
13 result = a;
14 //System.out.println("kjxhjhjhj");
15 //System.out.println("hhhhh");
16 } else {
17 result = b;
18 return result;
19 }
20 }
21 ...
22 }

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 32 : 37 | DE | 99% | 10:30 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java1 package zue4Wzw;
2
3 public class Demo {
4 ...
5 public static void main(String[] args) {
6 ...
7 int result = 0;
8 Demo demo = new Demo();
9 result = demo.minimum(5, 10\*2);
10 System.out.println("das ergebnis ist: " + String.valueOf(result));
11 //long result2 = demo.faculty(-3);
12 double result2 = demo.powerMitWhile(2.0d, 3);
13 System.out.println("das ergebnis ist: " + String.valueOf(result2));
14 }
15 ...
16 }

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 34 : 23 | DE | 99% | 10:31 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java1 package zue4Wzw;
2
3 public class Demo {
4 ...
5 public static void main(String[] args) {
6 ...
7 int result = 0;
8 Demo demo = new Demo();
9 result = demo.minimum(5, 10\*2);
10 System.out.println("das ergebnis ist: " + String.valueOf(result));
11 //long result2 = demo.faculty(-3);
12 //double result2 = demo.powerMitWhile(2.0d, 3);
13 double result2 = demo.exp(2.0d);
14 System.out.println("das ergebnis ist: " + String.valueOf(result2));
15 }
16 ...
17 }
18 public int minimum(int a, int b){
19 ...
20 if(a < b){
21 result = a;
22 } else {
23 result = b;
24 }
25 }

Rechner

0									
Deg	Rad	Grad	MC	MR	MS	M+	M-		
Inv	In	(	)	←	CE	C	±		
In	sinh	sin	$x^2$	n!	7	8	9	/	%
dms	cosh	cos	$x^y$	$\sqrt{x}$	4	5	6	*	$1/x$
π	tanh	tan	$x^3$	$\sqrt[3]{x}$	1	2	3	-	=
F-E	Exp	Mod	log	$10^x$	0	,	+		

Console

```
<terminated> das ergebnis ist: 5
das ergebnis ist: 8.0
```

Start | Writable | SmartInsert | 13 : 39 | DE | 99% | 10:32 | 03.06.2016

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java

```
1 package zue4Wzw;
2
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        //long result2 = demo.factury(-3);
12        //double result2 = demo.powerWithWhile(2.0d, 3);
13        double result2 = demo.exp(2.0d);
14        System.out.println("das ergebnis ist: " + String.valueOf(result2));
15    }
16
17    public int minimum(int a, int b){
18        int result;
```

Rechner

Ansicht Bearbeiten ?

5,4

Deg Rad Grad MC MR MS M+ M- Inv In ( ) ← CE C ± √ Int sinh sin x<sup>2</sup> nl 7 8 9 / % dms cosh cos x<sup>3</sup> √x 4 5 6 \* 1/x π tanh tan x<sup>4</sup> √x 1 2 3 - F-E Exp Mod log 10<sup>x</sup> 0 . + =

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java

```
15 }
16
17    public int minimum(int a, int b){
18        int result;
19        if(a < b){
20            result = a;
21            //System.out.println("kjhjhjhi");
22            //System.out.println("hhhhh");
23        }
24        else
25            result = b;
26        return result;
27    }
28
29    public double exp(double x){
30        double result = 1.0d;
31        for(int n=0; n<21; n++){
32            result = result + power(x, n) / (double)(faculty(n));
33        }
34        return result;
35    }
36
37    public double power(double argument, int m){
38        double result = 1;
39        for(int i=0; i<m; i++){
40            result = result * argument;
41        }
42    }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:22:47)
das ergebnis ist: 5
das ergebnis ist: 8.389056098930604
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java

```
15 }
16
17    public int minimum(int a, int b){
18        int result;
19        if(a < b){
20            result = a;
21            //System.out.println("kjhjhjhi");
22            //System.out.println("hhhhh");
23        }
24        else
25            result = b;
26        return result;
27    }
28
29    public double exp(double x){
30        double result = 1.0d;
31        for(int n=0; n<21; n++){
32            result = result + power(x, n) / (double)(faculty(n));
33        }
34        return result;
35    }
36
37    public double power(double argument, int m){
38        double result = 1;
39        for(int i=0; i<m; i++){
40            result = result * argument;
41        }
42    }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:34:19)
das ergebnis ist: 5
das ergebnis ist: 8.389056098930604
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java

```
16 }
17
18    public int minimum(int a, int b){
19        int result;
20        if(a < b){
21            result = a;
22            //System.out.println("kjhjhjhi");
23            //System.out.println("hhhhh");
24        }
25        else
26            result = b;
27        return result;
28    }
29
30    public double exp(double x){
31        double result = 1.0d;
32        for(int n=0; n<21; n++){
33            result = result + power(x, n) / (double)(faculty(n));
34        }
35        return result;
36    }
37
38    public double power(double argument, int m){
39        double result = 1;
40        for(int i=0; i<m; i++){
41            result = result * argument;
42        }
43    }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:34:19)
das ergebnis ist: 5
das ergebnis ist: 8.389056098930604
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Pack... Demo.java

```
16 }
17
18    public int minimum(int a, int b){
19        int result;
20        if(a < b){
21            result = a;
22            //System.out.println("kjhjhjhi");
23            //System.out.println("hhhhh");
24        }
25        else
26            result = b;
27        return result;
28    }
29
30    public double exp(double x){
31        double result = 1.0d;
32        for(int n=0; n<21; n++){
33            result = result + power(x, n) / (double)(faculty(n));
34        }
35        return result;
36    }
37
38    public double power(double argument, int m){
39        double result = 1;
40        for(int i=0; i<m; i++){
41            result = result * argument;
42        }
43    }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:34:19)
das ergebnis ist: 5
das ergebnis ist: 8.389056098930604
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
16 }  
17  
18 public int minimum(int a, int b){  
19     int result;  
20     if(a < b){  
21         result = a;  
22         //System.out.println("kjhjhjhj");  
23         //System.out.println("hhhhh");  
24     }  
25     else  
26         result = b;  
27     return result;  
28 }  
  
30 public double exp(double x){  
31     double result = 1.0d;  
32     for(int n=1; n<21; n++){  
33         result = result + power(x, n) / (double)(faculty(n));  
34     }  
35     return result;  
36 }  
  
38 public double power(double argument, int m){  
39     double result = 1;  
40     for(int i=0; i<m; i++){  
41         result = result * argument;  
42     }  
43 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:35:38)  
das ergebnis ist: 5  
das ergebnis ist: 8.389056098930604
```

Java - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

```
16 }  
17  
18 public int minimum(int a, int b){  
19     int result;  
20     if(a < b){  
21         result = a;  
22         //System.out.println("kjhjhjhj");  
23         //System.out.println("hhhhh");  
24     }  
25     else  
26         result = b;  
27     return result;  
28 }  
  
30 public double exp(double x){  
31     double result = 1.0d;  
32     for(int n=1; n<100; n++){  
33         result = result + power(x, n) / (double)(faculty(n));  
34     }  
35     return result;  
36 }  
  
38 public double power(double argument, int m){  
39     double result = 1;  
40     for(int i=0; i<m; i++){  
41         result = result * argument;  
42     }  
43 }
```

Console

```
<terminated> Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:36:02)  
das ergebnis ist: 5  
das ergebnis ist: Infinity
```

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

Variables Breakpoints

Name	Value

Outline

```
30 public double exp(double x){  
31     double result = 1.0d;  
32     for(int n=1; n<21; n++){  
33         result = result + power(x, n) / (double)(faculty(n));  
34     }  
35     return result;  
36 }  
  
38 public double power(double argument, int m){  
39     double result = 1;  
40     for(int i=0; i<m; i++){  
41         result = result * argument;  
42     }  
43 }
```

Console Tasks

```
Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:40:10)  
das ergebnis ist: 5
```

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

Variables Breakpoints

Name	Value

Outline

```
30 public double exp(double x){  
31     double result = 1.0d;  
32     for(int n=1; n<21; n++){  
33         result = result + power(x, n) / (double)(faculty(n));  
34     }  
35     return result;  
36 }  
  
38 public double power(double argument, int m){  
39     double result = 1;  
40     for(int i=0; i<m; i++){  
41         result = result * argument;  
42     }  
43 }
```

Console Tasks

```
Demo [Java Application] C:\Program Files\Java\jre1.8.0_92\bin\javaw.exe (03.06.2016, 10:40:10)  
das ergebnis ist: 5
```

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

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Quick Access Java Debug

Debug

Demo [Java Application]

zue4Wzw.Demo at localhost:49387

Thread [main] (Suspended (breakpoint at line 33 in Demo))

Demo.exp(double) line: 33

Demo.main(String[]) line: 13

C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)

Variables

Name	Value
this	Demo (id=16)
x	2.0
result	1.0
n	1

Demo.java

```
11 //long result2 = demo.faculty(-3);
12 //double result2 = demo.powerWithWhile(2.0d, 3);
13 double result2 = demo.exp(2.0d);
14 System.out.println("das ergebnis ist: " + String.valueOf(result2));
15
16 }
17
18 public int minimum(int a, int b){
19     int result;
20     if(a < b){
21         result = a;
22         //System.out.println("kjhjhjhj");
23         //System.out.println("hhhhh");
```

Console

Demo [Java Application] C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)  
das ergebnis ist: 5

Start

DE 99% 10:40 03.06.2016

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

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Quick Access Java Debug

Debug

Demo [Java Application]

zue4Wzw.Demo at localhost:49387

Thread [main] (Suspended (breakpoint at line 33 in Demo))

Demo.exp(double) line: 33

Demo.main(String[]) line: 13

C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)

Variables

Name	Value
this	Demo (id=16)
x	2.0
result	1.0
n	1

Demo.java

```
3 public class Demo {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int result = 0;
8         Demo demo = new Demo();
9         result = demo.minimum(5, 10*2);
10        System.out.println("das ergebnis ist: " + String.valueOf(result));
11        //long result2 = demo.faculty(-3);
12        //double result2 = demo.powerWithWhile(2.0d, 3);
13        double result2 = demo.exp(2.0d);
14        System.out.println("das ergebnis ist: " + String.valueOf(result2));
15
16 }
17
18 public int minimum(int a, int b){
19     int result;
20     if(a < b){
21         result = a;
22         //System.out.println("kjhjhjhj");
23         //System.out.println("hhhhh");
```

Console

Demo [Java Application] C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)  
das ergebnis ist: 5

Start

DE 99% 10:40 03.06.2016

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java Debug

Debug

Demo [Java Application]

zue4Wzw.Demo at localhost:49387

Thread [main] (Suspended (breakpoint at line 33 in Demo))

Demo.exp(double) line: 33

Demo.main(String[]) line: 13

C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)

Variables

Name	Value
this	Demo (id=16)
x	2.0
result	1.0
n	1

Demo.java

```
28
29
30 public double exp(double x){
31     double result = 1.0d;
32     for(int n=1; n<10; n++){
33         result = result + power(x, n) / (double)(faculty(n));
34     }
35     return result;
36 }
37
38 public double power(double argument, int m){
39     double result = 1;
40     for(int i=0; i<m; i++){
41         result = result * argument;
```

Console

Demo [Java Application] C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)  
das ergebnis ist: 5

Start

DE 99% 10:41 03.06.2016

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java Debug

Debug

Demo [Java Application]

zue4Wzw.Demo at localhost:49387

Thread [main] (Suspended (breakpoint at line 33 in Demo))

Demo.exp(double) line: 33

Demo.main(String[]) line: 13

C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)

Variables

Name	Value
this	Demo (id=16)
x	2.0
result	3.0
n	2

Demo.java

```
28
29
30 public double exp(double x){
31     double result = 1.0d;
32     for(int n=1; n<10; n++){
33         result = result + power(x, n) / (double)(faculty(n));
34     }
35     return result;
36 }
37
38 public double power(double argument, int m){
39     double result = 1;
40     for(int i=0; i<m; i++){
41         result = result * argument;
```

Console

Demo [Java Application] C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)  
das ergebnis ist: 5

Start

DE 99% 10:41 03.06.2016

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java Debug

Debug

Demo [Java Application]

zue4Wzw.Demo at localhost:49387

Thread [main] (Suspended)

  Demo.power(double, int) line: 39

  Demo.exp(double) line: 33

  Demo.main(String[]) line: 13

C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)

(x)= Variables Breakpoints

Name	Value
this	Demo (d=16)
argument	2.0
m	2
result	2.0
i	0

Demo.java

```
34 }  
35     return result;  
36 }  
  
38 public double power(double argument, int m){  
39     double result = 1;  
40     for(int i=0; i<m; i++){  
41         result = result * argument;  
42     }  
43     return result;  
44 }  
  
45 public double powerMitWhile(double argument, int m){
```

Console Tasks

Demo [Java Application] C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)  
das ergebnis ist: 5

Start | Taskbar | Icons | Address Bar | P | D | E | DE | 99% | 10:43 | 03.06.2016

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java Debug

Debug

Demo [Java Application]

zue4Wzw.Demo at localhost:49387

Thread [main] (Suspended)

  Demo.power(double, int) line: 39

  Demo.exp(double) line: 33

  Demo.main(String[]) line: 13

C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)

(x)= Variables Breakpoints

Name	Value
this	Demo (d=16)
x	2.0
result	5.0
n	2

Demo.java

```
29  
30     public double exp(double x){  
31         double result = 1.0d;  
32         for(int n=1; n<10; n++){  
33             result = result + power(x, n) / (double)(faculty(n));  
34         }  
35     }  
36     return result;  
37 }  
  
38 public double power(double argument, int m){  
39     double result = 1;  
40     for(int i=0; i<m; i++){  
41         result = result * argument;
```

Console Tasks

Demo [Java Application] C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)  
das ergebnis ist: 5

Start | Taskbar | Icons | Address Bar | P | D | E | DE | 99% | 10:43 | 03.06.2016

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java Debug

Debug

Demo [Java Application]

zue4Wzw.Demo at localhost:49387

Thread [main] (Suspended)

  Demo.power(double, int) line: 39

  Demo.exp(double) line: 33

  Demo.main(String[]) line: 13

C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)

(x)= Variables Breakpoints

Name	Value
this	Demo (d=16)
argument	2.0
m	3

Demo.java

```
36 }  
37  
38 public double power(double argument, int m){  
39     double result = 1;  
40     for(int i=0; i<m; i++){  
41         result = result * argument;  
42     }  
43     return result;  
44 }  
  
45 public double powerMitWhile(double argument, int m){  
46     double result = 1.0d;  
47     int i = m;
```

Console Tasks

Demo [Java Application] C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)  
das ergebnis ist: 5

Start | Taskbar | Icons | Address Bar | P | D | E | DE | 99% | 10:43 | 03.06.2016

Debug - zue4Wzw/src/zue4Wzw/Demo.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java Debug

Debug

Demo [Java Application]

zue4Wzw.Demo at localhost:49387

Thread [main] (Suspended)

  Demo.power(double, int) line: 40

  Demo.exp(double) line: 33

  Demo.main(String[]) line: 13

C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)

(x)= Variables Breakpoints

Name	Value
this	Demo (d=16)
argument	2.0
m	3
result	8.0

Demo.java

```
36 }  
37  
38 public double power(double argument, int m){  
39     double result = 1;  
40     for(int i=0; i<m; i++){  
41         result = result * argument;  
42     }  
43     return result;  
44 }  
  
45 public double powerMitWhile(double argument, int m){  
46     double result = 1.0d;  
47     int i = m;
```

Console Tasks

Demo [Java Application] C:\Program Files\Java\jre1.8.0\_92\bin\javaw.exe (03.06.2016, 10:40:44)  
das ergebnis ist: 5

Start | Taskbar | Icons | Address Bar | P | D | E | DE | 99% | 10:44 | 03.06.2016

