Teil V

Java (Implementierung): Kontrollstrukturen

if

```
1 if (a < b) {
2    c = a;
3 } else {
4    c = b;
5 }</pre>
```

if

```
1 if (a < b) {
2    c = a;
3 } else {
4    c = b;
5 }</pre>
```

```
1 if (!(a >= b)) {
2    c = a;
3 } else {
4    c = b;
```

switch

```
if (a == 1) {
      c = a;
5 } else if (a == 2) {
      c = 1.0 / a;
  } else if (a == 3) {
       c = a * a;
10
11 } else {
12 c = 0:
13 }
```

switch

```
switch (a) {
   if (a == 1) {
                                         case 1:
                                           c = a;
       c = a;
                                           break:
   } else if (a == 2) {
                                         case 2:
       c = 1.0 / a;
                                           c = 1.0 / a;
                                           break:
   } else if (a == 3) {
                                         case 3:
       c = a * a:
                                           c = a * a:
                                           break:
10
                                   10
   } else {
                                         default:
11
                                   11
12
   c = 0:
                                   12
                                           c = 0:
13
                                   13
```

Java: Schleifen

for

Java: Schleifen

for, vereinfacht

```
int[] werte = new int[7];

for (int wert : werte) {
    System.out.println("Wert = " + wert);
}
```

Java: Schleifen

while



Java

continue

```
1  for (int i = 0; i < 10; ++i) {
2    if (i % 2 == 0) {
3       continue;
4    }
5    System.out.println(i);
6  }</pre>
```

Java

continue

```
1   for (int i = 0; i < 10; ++i) {
2     if (i % 2 == 0) {
3        continue;
4     }
5     System.out.println(i);
6   }</pre>
```

break

```
int[] werte = new int[7]:
     for (int pos = 0; pos < werte.length; ++
           pos) {
       werte[pos] = 10 - pos:
456789
     int pos;
     for (pos = 0; pos < werte.length; ++pos) {</pre>
       if (werte[pos] == 5) {
         break:
11
12
     }
13
14
     if (pos < werte.length) {
15
       System.out.println( "werte[" + pos
16
                             + "] ="
17
                             + werte[pos]
18
                           ):
19
     }
```