

### Datatypes

```
public class Opdracht1 {
    public static void main(String [] args) {
        long a = 196587543L;
        float b = 1.0065f;
        boolean c = false;
        boolean e = false;
        double d = 0.0d;
        double f = 0.0d;
    }
}
```

### For-loop

```
public class Opdracht3 {
    public static void main(String[] args) {
        for (int i = 1; i <= 20; i++) {
            System.out.println(i);
        }
    }
}
```

### While-loop

```
public class Opdracht4 {
    public static void main(String[] args) {
        int i = 0;
        while (i <= 20) {
            System.out.println(i);
            i++;
        }
    }
}
```

### Ternary

```
public class Opdracht6 {
    public static void main(String[] args) {
        for (int x = 0; x <= 20; x++) {
            String result = (x % 3) == 0 ? "het
getal is deelbaar door 3!" : "";
            System.out.println(x + " " + result);
        }
    }
}
```

### String omzetten naar...

String -> integer	Integer.parseInt(str)
Integer -> String	String.valueOf(var)
String -> Double	Double.parseDouble(str)
Double -> String	String.valueOf(dnum)

### String methoden

```
str1==str2 //compares address;
String newStr = str1.equals(str2); //compares the
values
String newStr = str1.equalsIgnoreCase() //compares
the values ignoring the case
newStr = str1.length() //calculates length
newStr = str1.charAt(i) //extract i'th character
newStr = str1.toUpperCase() //returns string in
ALL CAPS
newStr = str1.toLowerCase() //returns string in
ALL LOWERCASE
newStr = str1.replace(oldVal, newVal) //search and
replace
newStr = str1.trim() //trims surrounding
whitespace
newStr = str1.contains("value"); //check for the
values
newStr = str1.toCharArray(); // convert String to
character type array
newStr = str1.isEmpty(); //Check for empty String
newStr = str1.endsWith(); //Checks if string ends
with the given suffix
```



### Input gebruiker

```
import java.util.Scanner;

public class Opdracht2 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        String invoer = input.next();
        System.out.println("Je hebt de volgende
input gegeven: " + invoer);
    }
}
```

```
naam.nextInt() -> Integer invoer
naam.nextDouble() -> Double invoer
naam.next() -> String invoer, zonder spaties
naam.nextLine() -> Alles voor de 'enter'
```

### Spaties aan eind van string weghalen

```
int len = str.length();
for( ; len > 0; len--)
{
    if( ! Character.isWhitespace( str.charAt(
len - 1)))
        break;
}
return str.substring( 0, len);
```

### Getal deelbaar door (3)

```
public class Opdracht5 {
    public static void main(String[] args) {
        for (int x = 1; x <= 10; x++) {
            if ((x % 3) == 0) {
                System.out.println(x+ " " + "het
getal is deelbaar door 3!");
            } else {
                System.out.println(x);
            }
        }
    }
}
```

### Boolean String

equals	naam.equals(" ")
equalsIgnoreCase	naam.equalsIgnoreCase(" ")
startsWith	naam.startsWith(" ")
endsWith	naam.endsWith(" ")
contains	naam.contains(" ")



By **Kaji**  
[cheatography.com/kaji/](http://cheatography.com/kaji/)

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