

## Assignment

To assign a value to a variable in Java you write:

```
<variable name> = <expression>;
```

Remember that "=" means assignment action, whereas "==" means equality relation.

### Examples:

```
distance = sqrt( dx*dx + dy*dy ); //calculate distance based on dx and dy  
k = uniform_discr( 0, 10 ); //set k to a random integer between 0 and 10 inclusive  
customer = null; //"forget" customer: reset customer variable to null ("nothing")
```

The shortcuts for frequently used assignments can be executed as statements as well (see [Arithmetic expressions](#)), for example:

```
k++; //increment k by 1  
b *= 2; //b = b*2
```