Booleans

Boolean Literals

Booleans are values that represent the validity of a statement.

Statements are either True or False.





Memory

bool1

Farlsee

bool2

False

Variable Example 1

bool1 = True

bool2 = False

bool1 = False



Pay attention

to the syntax

This example allocates memory with two different values saved at two different *addresses*.

It then re-assigns one of the *addresses* to a new value.

Conditional Statements

A statement can either be True or False. For example is 2 + 2 equivalent to 4? How about 5?

In code we use conditional operators to make these statements.



Math Conditional Operators

- s1 == s2 is s1 equivalent to s2?
- s1!= s2 is s1 not equivalent to s2?
- s1 < s2 is s1 less than s2?
- s1 > s2 s1 greater than s2?
- s1 <= s2 s1 less than or equal to s2?
- s1 >= s2 s1 greater than or equal to s2?

What's important here is the syntax, the symbols and meaning are the same as in math.



Memory

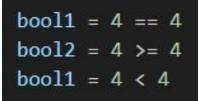
bool1

Harlsee

bool2

True

Variable Example 2





Pay attention to the syntax

Here the focus is on the usage of conditional statements and having their values assigned to variables.