

Python

Boolean types

What is a Boolean?

A simple data type in Python is the Boolean. It has only two possible values:

True

False

Comparisons result in Boolean values:

`(3 > 5)` is False

`(2 == 2.0)` is True

Tests in if/while result in a Boolean

```
if x > 3:    # Will run if (x > 3) is True  
    ...do something...
```

```
while my_list:    # Will loop until my_list is empty  
    ...something that reduces size of my_list...
```

Note: Boolean values are case-sensitive!

True # but not "true"

False # but not "false"