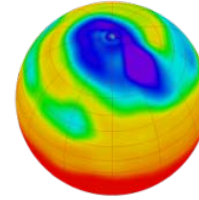




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# Python Boolean types

# 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) == False
```

```
(2 == 2.0) == 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 or other...
```

Note: Boolean values are case-sensitive!

```
True    # not true
```

```
False   # not false
```