**Relational Operators**

Relational Operators are used to compare values.  
Gives

True

or

False

as the result of a comparison.

These are different relational operators

| Operator | Name |
| --- | --- |
| > | Is greater than |
| < | Is less than |
| == | Is equal to |
| <= | Is less than or equal to |
| >= | Is greater than or equal to |
| != | Is not equal to |

**Code**



1

2

print(5 < 10)

print(2 > 1)

PYTHON

**Output**



True

True

Possible Mistakes

**Mistake - 1**

**Code**



1

print(3 = 3)

PYTHON

**Output**



SyntaxError: expression cannot contain assignment, perhaps you meant "=="?

**Mistake - 2**

**Code**



1

print(2 < = 3)

PYTHON

**Output**



SyntaxError: invalid syntax

Space between relational operators

==

,

>=

,

<=

,

!=

is not valid in Python.

Comparing Numbers

**Code**



1

2

print(2 <= 3)

print(2.53 >= 2.55)

PYTHON

**Output**



True

False

Comparing Integers and Floats

**Code**



1

2

print(12 == 12.0)

print(12 == 12.1)

PYTHON

**Output**



True

False

Comparing Strings

**Code**



1

2

print("ABC" == "ABC")

print("CBA" != "ABC")

PYTHON

**Output**



True

True

Case Sensitive

**Code**



1

print("ABC" == "abc")

PYTHON

**Output**



False

Python is case sensitive. It means

X

(Capital letter) and

x

(small letter) are not the same in Python.

Strings and Equality Operator

**Code**



1

2

3

print(True == "True")

print(123 == "123")

print(1.1 == "1.1")

PYTHON

**Output**



False

False

False

Notes