

Comparison and Logical Operators in Python

The comparison operators returns a boolean either True or False.

Assuming that x=10 and y=20, the result of the operations is also given in following table:

Operator	Description	Example
>	True if the left operand is higher than the right one	>>> x>y False
<	True if the left operand is lower than right one	>>> x<y True
==	True if the operands are equal	>>> x==y False
!=	True if the operands are not equal	>>> x!=y True
>=	True if the left operand is higher than or equal to the right one	>>> x>=y False
<=	True if the left operand is lower than or equal to the right one	>>> x<=y True

Logical Operators in Python

The following keywords in Python combine two Boolean expressions. They are called logical operators. Two operands should have Boolean value True or False. Assuming that x=True and y=False.

Operator	Description	Example
and	True if both are true	>>> x and y

		False
or	True if at least one is true	>>> x or y True
not	Returns True if an expression evalutes to false and vice-versa	>>> not x False

Comparison and logical operators are useful in controlling flow of program.