

Logical Operators

Logical operators

and **or** **not**

Logical operators are used to compare multiple variables or values


Expressions formed by logical operators and their operands
are **Boolean** - they evaluate to **True** or **False**

Logical operators

Operator	Meaning
and	Connects two Boolean expressions into one expression BOTH sub-expressions must be True for the compound expression to be True
or	Connects two Boolean expressions into one expression EITHER sub-expression must be True for the compound expression to be True
not	Takes a Boolean expression as its operand and reverses its logical value If the expression is True, the not operator returns False If the expression is False, the not operator returns True

```
2 Logical Operators
3 """
4 X = 100
5 Y = 200
6 Z = 100
7
8 print(X < Y and Y > Z)
9 print(X > Y or Y > Z)
10 print(not(X > Y or Y > Z))
11
```

TERMINAL OUTPUT PROBLEMS DEBUG CONSOLE

 bash

minae@PSYCHE MINGW64 ~/Desktop/NucampFolder/Python/1-Fundamentals

\$ python logical_operators.py

True

True

False

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\$