

Cheat Sheet

Logical Operators

The logical operators are used to perform logical operations on Boolean values.

Gives True or False as the result.

Following are the logical operators

and

or

not

Logical AND Operator

Gives True if both the booleans are true else, it gives False

Code

Print (True and True)

Output

True

Examples of Logical AND

Code

print((2 < 3) and (1 < 2))

Step by Step Explanation

(2 < 3) and (1 < 2)

True and (1 < 2)

True and True

Output

True

Logical OR Operator

Gives True if any one of the booleans is true else, it gives False

Code

print(False or False)

Output

Fals

Examples of Logical OR

Code

```
print((2 < 3) or (2 < 1))
```

Step by Step Explanation

(2 < 3) or (2 < 1)

True or (2 < 1)

True or Fal

Output

True

Logical NOT Operator

Gives the opposite value of the given boolean.

Code

```
print(not(False))
```

Output

True

Examples of Logical NOT

Code

```
print(not(2 < 3))
```

Step by Step Explanation

not(2 < 3)

not(True)

Fals

output

False

Summary

Logical AND Operator gives True if all the booleans are true.

Logical OR Operator gives True if any of the booleans are true.

Logical NOT Operator gives the opposite value