

Aim:

Write a Python program that demonstrates the usage of logical operators. Your program should read two integer values from the user and perform logical operations (and, or, not). Display the corresponding output for each operation.

Input Format:

- The program should read two integer values from the user, each on a new line.

Output Format:

- Print the result of num1 and num2 in the format "{num1} and {num2}: result"
- Print the result of num1 or num2 in the format "{num1} or {num2}: result"
- Print the result of not num1 in the format "not {num1}: result"
- Print the result of not num2 in the format "not {num2}: result"

Source Code:`logicoperator.py`

```
a=int(input())
b=int(input())
x=a and b
y=a or b
z= not a
w= not b
print(f'{a} and {b}: {x}')
print(f'{a} or {b}: {y}')
print(f'not {a}: {z}')
print(f'not {b}: {w}')
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
3
4
3 and 4: 4
3 or 4: 3
not 3: False
not 4: False

Test Case - 2
User Output
0
1
0 and 1: 0
0 or 1: 1

not 0: True
not 1: False

Test Case - 3
User Output
0
0
0 and 0: 0
0 or 0: 0
not 0: True
not 0: True