

Day 2/30 – Python Interview Prep Series

Topic: Tricky Output Questions – Logical & Membership Operators

1)print(0 and 1 or 2 and 3)

OUTPUT:

3

2)print(not 0 or not 1)

OUTPUT:

True

3)print('a' in 'apple' and 'e' in 'tree')

OUTPUT:

True

4)print('py' in 'python' and 'on' in 'python')

OUTPUT:

True

5)print(5 and [] or "Done")

OUTPUT:

Done

6)print(' ' in 'hello world')

OUTPUT:

True

7)x = 'a'

print(x in ['A', 'a', 'b'])

OUTPUT:

True

```
8)print(not ('' in 'hello'))
```

OUTPUT:

False

```
9)print(0 or [] or {} or None or "Python")
```

OUTPUT:

Python

```
10)print(not True and not False or False)
```

OUTPUT:

False

```
11)print('o' not in 'hello' or 'z' not in 'zebra')
```

OUTPUT:

False

```
12)print("on" in "python" and "py" not in "python")
```

OUTPUT:

False

```
13)x = []
```

```
print(x in [], (), {})
```

OUTPUT:

True

```
14)print([] == [] and [] is [])
```

OUTPUT:

False

```
15)print('a' in ['apple', 'banana', 'grapes'])
```

OUTPUT:

False

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 **Topic: Tricky Output-Based Questions on Operators**

 *No Bitwise Questions Included*

```
1)print(10 + 3 * 2)
```

OUTPUT:

16

```
2)print(10 / 3)
```

```
print(10 // 3)
```

OUTPUT:

3.3333333333333335

3

```
3)x = 5
```

```
x += 3
```

```
print(x)
```

OUTPUT:

8

```
4)a = [1, 2, 3]
```

```
b = [1, 2, 3]
```

```
print(a == b)
```

```
print(a is b)
```

OUTPUT:

True

False

```
5)print(True and False or True)
```

OUTPUT:

True

```
6)x = 0
```

```
y = 5
```

```
print(x and y)
```

```
print(x or y)
```

OUTPUT:

0

5

```
7)print(not (True and False))
```

OUTPUT:

True

```
8)x = [1, 2]
```

```
y = x
```

```
print(x is y)
```

```
y.append(3)
```

```
print(x)
```

OUTPUT:

True

[1, 2, 3]

```
9)print(5 < 6 > 4)
```

OUTPUT:

True

```
10)a = "Python"
```

```
b = "Python"
```

```
print(a == b)
```

```
print(a is b)
```

OUTPUT:

True

True

```
11)x = 10
```

```
y = 10.0
```

```
print(x == y)
```

```
print(x is y)
```

OUTPUT:

True

False

```
12)a = []
```

```
b = []
```

```
print(a is b)
```

```
print(a == b)
```

OUTPUT:

False

True

```
13)print("10" + "5")
```

```
print(int("10") + int("5"))
```

OUTPUT:

105

15

```
14)print("True" == True)
```

OUTPUT:

False

```
15)print(0 or 1 and 0)
```

OUTPUT:

0