

# Day-1

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

o/p:3

2.print(not 0 or not 1)

o/p:True

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

o/p:True

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

o/p:True

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

o/p:Done

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

o/p:True

7.x = 'a'

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

o/p:True

8.print(not (" in 'hello'))

o/p:False

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

o/p:python

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

o/p:False

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

o/p:False

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

o/p:False

13. `x = []`

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

o/p:False

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

o/p:False

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

o/p:False

## Day-2

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

o/p:16

2. `print(10 / 3)`

`print(10 // 3)`

o/p:3.3333

3

3. `x = 5`

`x += 3`

`print(x)`

o/p:8

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

`b = [1, 2, 3]`

`print(a == b)`

`print(a is b)`

o/p:True

False

5.

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

o/p:True

**6.**Error! Hyperlink reference not valid.

```
x = 0
```

```
y = 5
```

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

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

o/p:0

5

**7.**print(not (True and False))

o/p:True

**8.**x = [1, 2]

```
y = x
```

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

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

```
print(x)
```

o/p: True

[1, 2, 3]

**9.**print(5 < 6 > 4)

o/p:True

**10.**a = "Python"

b = "Python"

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

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

o/p:True

True

**11.**

```
x = 10
```

```
y = 10.0
```

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

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

```
o/p:True
```

```
False
```

**12.**

```
a = []
```

```
b = []
```

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

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

```
o/p:False
```

```
True
```

**13.**

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

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

```
o/p:105
```

```
15
```

**14.**

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

```
o/p:False
```

**15.**

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

```
o/p:0
```

