



Python Operators Test (Comparison, Logical & Identity)

Beginner Level

1. What will be the output of the following code?

```
x = 5  
print(x == 5)
```

- a) ☐ True
- b) ☐ False
- c) ☐ Error
- d) ☐ None

2. Fill in the blank:

The `!=` operator is used to check if two values are _____.

- a) Equal
- b) Not equal
- c) Identical
- d) Greater than

3. What will the following code return?

```
x = 10  
print(x > 5 and x < 15)
```

- a) ☐ True
- b) ☐ False

- c) ☐ None
 - d) ☐ Error
-

Intermediate Level

1. Evaluate the output of this code snippet:

```
x = 8
y = 12
print(x < 10 or y > 15)
```

- a) ☐ True
- b) ☐ False
- c) ☐ None
- d) ☐ Error

2. Identify the operator type used in the following statement:

```
x is y
```

- a) Comparison Operator
- b) Logical Operator
- c) Identity Operator
- d) Membership Operator

3. Predict the output of the following code:

```
x = 5
y = 5
print(x is not y)
```

- a) ☐ True
- b) ☐ False
- c) ☐ Error

d) ☐ None

Hard Level

1. Solve the following code and find the output:

```
x = 7
print(not(x < 5 and x < 10))
```

a) ☐ True

b) ☐ False

c) ☐ Error

d) ☐ None

2. What is the result of this expression?

```
x = 10
y = 20
print((x > 5 and y < 15) or (x == 10 and y > 15))
```

a) ☐ True

b) ☐ False

c) ☐ Error

d) ☐ None

3. Write the output of the following:

```
x = [1, 2, 3]
y = [1, 2, 3]
print(x is y)
```

a) ☐ True

b) ☐ False

c) ☐ Error

d) `None`
