

WEEK 1

WEEKLY TEST

NOTE:

- No need to submit anywhere, just keep track of all the PDF you made in a specific folder.
- Compare your solution with the solution I'll provide, in case of doubts, we will have doubt session at 4:00PM.
- You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.

Q1. Write a program to print absolute value of a number entered by user.

Example 1

Input = -18

Output = 18

Example 2

Input = 9

Output = 9

Q2. Given three angles of a triangle, determine whether it is an acute, obtuse, or right-angled triangle.

Q3. What will be the output of following expression, try to guess without running.

$1 + (3 - 4) * 2 ** 10 // 6$

Q4. What will be the output of the following Python code snippet?

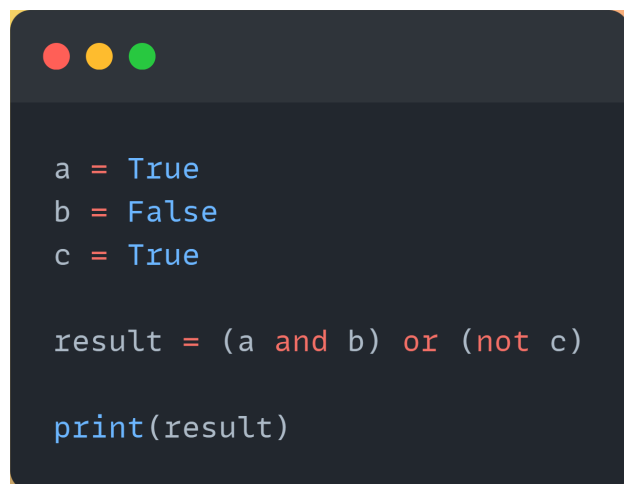
```
print(type(5/2))
```

```
print(type(5//2))
```

Q5. What will the output of the following code?

```
print(2**4 + (5 + 5)**(1 + 1))
```

Q6. Guess the output

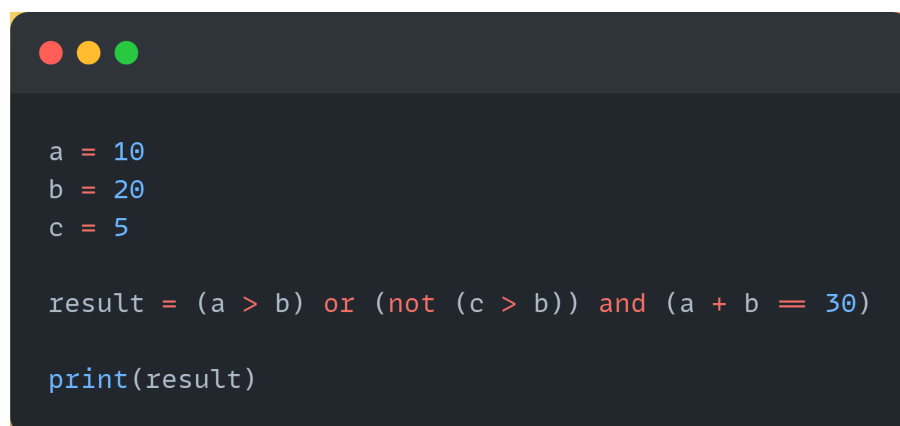
A code editor window with a dark background and three colored window control buttons (red, yellow, green) in the top-left corner. It contains Python code for a logical expression.

```
a = True
b = False
c = True

result = (a and b) or (not c)

print(result)
```

Q7. Guess the output.

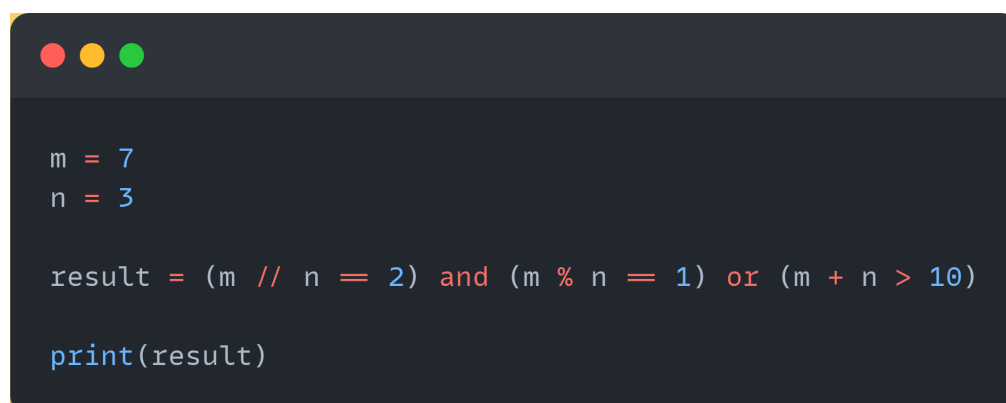
A code editor window with a dark background and three colored window control buttons (red, yellow, green) in the top-left corner. It contains Python code for a logical expression.

```
a = 10
b = 20
c = 5

result = (a > b) or (not (c > b)) and (a + b == 30)

print(result)
```

Q8. Guess the output.

A code editor window with a dark background and three colored window control buttons (red, yellow, green) in the top-left corner. It contains Python code for a logical expression.

```
m = 7
n = 3

result = (m // n == 2) and (m % n == 1) or (m + n > 10)

print(result)
```

Q9. Guess the output.



```
value = 15
```

```
result = (value < 10) or (value % 2 == 0) and (value // 5 == 3)
```

```
print(result)
```