# 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 vlaue 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 = True
b = False
c = True

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

print(result)
```

**Q7.** Guess the output.

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

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

print(result)
```

**Q8.** Guess the output.

```
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)
```