**DAY-1 ASSIGNMENT (Name - Himanshu chadha , batch - 42)**

### **Multiple Choice Questions**

Q1. What output does the following code snippet produce?

**print(8, 5, 2023, sep='/')**

a) 8 5 2023  
***b) 8/5/2023 (answer)***c) 852023  
d) Error

Q2. Which of the following is considered a valid variable name in Python?

a) 2things  
***b) \_my\_string (answer)***c) try  
d) None of the above

Q3. After executing x = 3.5, what data type is x?

a) int  
b) str  
***c) float (answer)***d) complex

### **Fill-in-the-Blanks**

Q4. In Python, the \_\_\_***\_int()*** \_\_ function is utilised to convert a floating-point number to an integer.

Q5. The \_\_***end***\_\_\_\_ parameter in the print() function dictates what is printed at the end of the output.

Q6. A \_\_\_***Boolean***\_\_\_ type in Python can hold one of two values: True or False.

### **True or False**

Q7. Variable names in Python are case-sensitive.

* ***True***
* False

Q8. The print() function is limited to printing strings exclusively.

* True
* ***False***

Q9. In Python, the string "100" is equivalent to the integer 100.

* True
* ***False***

**Coding Challenges**

**Q11.** Develop a Python script to calculate the area of a rectangle. Your program should take the rectangle's length and width, and then display the calculated area.

**Q12.** Write a Python program that converts temperatures from Celsius to Fahrenheit. Use the formula (Celsius \* 9/5) + 32 to perform the conversion.