

# Task 1

## Python Tasks and Expected Outputs

**Upload .py or Ipython extension file on github public repo "100DaysofBytewise" and share the link in the submission form by 11 June 2024**

Exercise: Sum of Two Numbers

Task: Write a program that takes two numbers from the user and prints their sum.

Expected Output:

Enter first number: 3

Enter second number: 4

The sum is: 7.0

Exercise : Area of a Circle

Task: Write a program to calculate the area of a circle given its radius.

Expected Output:

Enter the radius of the circle: 5

The area of the circle is: 78.53981633974483

Exercise: Even or Odd

Task: Write a program that checks if a number is even or odd.

Expected Output:

Enter a number: 7

7 is odd

Exercise: Simple Calculator

Task: Write a program that performs basic arithmetic operations (addition, subtraction, multiplication, division) based on user input.

Expected Output:

Enter first number: 10

Enter second number: 3

Enter operation (+, -, \*, /): /

The result is: 3.3333333333333335

Exercise: Find the Largest Number

Task: Write a program to find the largest of three numbers.

Expected Output:

Enter first number: 7  
Enter second number: 15  
Enter third number: 10  
The largest number is: 15

Exercise: Reverse a String

Task: Write a program that takes a string from the user and prints it in reverse.

Expected Output:

Enter a string: hello  
The reversed string is: olleh

Exercise: Count Vowels

Task: Write a program that counts the number of vowels in a given string.

Expected Output:

Enter a string: Nimra Waqar  
The number of vowels is: 4

Exercise : Fibonacci Sequence

Task: Write a program to print the Fibonacci sequence up to n terms.

Expected Output:

How many terms? 5  
Fibonacci sequence:  
0 1 1 2 3

Exercise: Check for Palindrome

Task: Write a program to check if a given string is a palindrome.

Expected Output:

Enter a string: radar  
radar is a palindrome