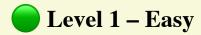
# Assignment: For Loop in Python

#### **Objective:**

To understand the syntax, usage, and various applications of the for loop in Python for iteration over sequences and other iterable objects.



### Task 1: Print Numbers 1 to 10

Write a for loop to print numbers from 1 to 10.

### **▼** Task 2: Print Elements of a List

Given a list of fruits:

fruits = ["apple", "banana", "mango", "orange"]

Use a for loop to print each fruit.

## Task 3: Calculate the Sum of Numbers

Use a for loop to calculate and print the sum of all numbers from 1 to 100.

# **Level 2 – Medium**

## 🔽 Task 4: Print Even Numbers from a List

Given:

numbers = [10, 21, 4, 45, 66, 93]

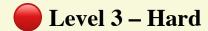
Use a for loop to print only even numbers.

### 🔽 Task 5: Loop Through a String

Write a for loop to print each character in the string "Python".

## 🔽 Task 6: Multiplication Table

Take input from the user and print its multiplication table up to 10 using a for loop.



▼ Task 7: Nested for Loops – Pattern Printing

Print the following pattern using nested for loops:

\*

\* \*

\* \*

\* \* \*

\* \* \* \*

**▼** Task 8: Find Prime Numbers in Range

Write a program using for loop to print all prime numbers between 1 and 50.

**▼** Task 9: Loop Through a Dictionary

Given:

student = {"name": "Alice", "age": 20, "grade": "A"}

Use a for loop to print all keys and their corresponding values.

**▼** Task 10: List Comprehension with **for** Loop

Write a list comprehension to create a list of squares of numbers from 1 to 10.



