1. Write a Python program to accept a number from a user and calculate the sum of all numbers from 1 to a given number. (without using built-in-function : SUM() )

For example, if the user entered **10**, the output should be **55** (1+2+3+4+5+6+7+8+9+10)

1. Write a Python program to count the total number of digits in a number using a while loop

For example, the number is **75869**, so the output should be **5**.

1. Display Fibonacci series up to 10 terms

Have you ever wondered about the Fibonacci Sequence? It’s a series of numbers in which the next number is found by adding up the two numbers before it. The first two numbers are 0 and 1.

For example, 0, 1, 1, 2, 3, 5, 8, 13, 21. The next number in this series is 13 + 21 = 34.

**Expected output:**

**Fibonacci sequence:**

**0 1 1 2 3 5 8 13 21 34**

1. Print elements from a given list present at odd index positions

Given:

my\_list = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]

Expected Output:

[20,40,60,80,100]

1. Write a Python program to print the cube of all numbers from 1 to a given number

Given:

input\_number = 6

Expected Output:

Current Number is : 1 and the cube is 1

Current Number is : 2 and the cube is 8

Current Number is : 3 and the cube is 27

Current Number is : 4 and the cube is 64

Current Number is : 5 and the cube is 125

Current Number is : 6 and the cube is 216