**1. Write a Python Program to Display Fibonacci Sequence Using Recursion?**

def fibo(a,b,c):

    if c > 0:

        c -= 1

        print(a, end=' ')

        temp = b

        b = a + b

        a = temp

        fibo(a,b,c)

fibo(0,1,10)

0 1 1 2 3 5 8 13 21 34

**2. Write a Python Program to Find Factorial of Number Using Recursion?**

def fact(n):

    if n == 0:

        return 1

    else:

        return n\*fact(n-1)

fact(5)

**120**

fact(7)

5040

**3. Write a Python Program to calculate your Body Mass Index?**

def bmi(height, weight):

    return weight/(height\*height)

bmi(1.8, 70)

21.604938271604937

**4. Write a Python Program to calculate the natural logarithm of any number?**

import math

try:

    num = int(input("Enter the number: "))

except Exception as e:

    print(e)

else:

    print(math.log(num))

Enter the number: 14

2.6390573296152584

**5. Write a Python Program for cube sum of first n natural numbers?**

def cubN(n):

    return sum(range(n+1))\*\*3

cubN(3)

216

cubN(4)

1000