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

**def fib(n):**

**if n==0:**

**return 1**

**if n==1:**

**return 1**

**if n>1:**

**return fib(n-1) + fib(n-2)**

**i=int(input("enter input number"))**

**for k in range(i):**

**print(fib(k),end=" ")**

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

**def fact(n):**

**if n==1:**

**return 1**

**if n>1:**

**return n \* fact(n-1)**

**i=int(input("enter input number"))**

**print(fact(i))**

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

**a = int(input("enter your weight in kg"))**

**b = float(input("enter your height in meter"))**

**print("your BMI is :",a/(b\*\*2))**

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

import math

a = int(input("enter the value of variable"))

print("natural log of the " ,a, "is ", math.log(a))

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

a = int(input("enter the value of n"))

def cube\_sum(a):

    res= 0

    for j in range(1,a+1):

        res = res + j\*\*3

    return res

print(cube\_sum(a))