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

Ans:-

def recur\_fibo(n):

if n <= 1:

return n

else:

return(recur\_fibo(n-1) + recur\_fibo(n-2))

nterms = int(input("Enter no of terms"))

for i in range(nterms):

print(recur\_fibo(i))

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

Ans:-

def recur\_factorial(n):

if n == 1:

return n

else:

return n\*recur\_factorial(n-1)

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

if num < 0:

print("Sorry, factorial does not exist for negative numbers")

elif num == 0:

print("The factorial of 0 is 1")

else:

print("The factorial of",num,"is",recur\_factorial(num))

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

Ans:-

def BMI(height, weight):

bmi = weight/(height\*\*2)

return bmi

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

Ans:-

import math

num= int(input("enter the number "))

print(math.log(num))

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

Ans:-

def sumOfSeries(n):

sum = 0

for i in range(1, n+1):

sum +=i\*i\*i

return sum