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

n=int(input('Enter a limit: '))

print("Fibonacci series:")

for i in range(n):

print(fibonacci(i))

def fibonacci(n):

if n <= 1:

return n

else:

return(fibonacci(n-1) + fibonacci(n-2))

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

n=int(input('Enter a number: '))

print('Factorial of', n, 'is:', factorial(n))

def factorial(n):

if n==1:

return 1

else:

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

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

w = float(input('Enter weight in kg: '))

h = float(input('Enter height in cms: '))

mts = h/100

bmi = w / mts\*\*2

print('Your Body Mass Index is:', round(bmi,2))

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

import math

n = int(input('Enter a number: '))

print('Natural log of', n, 'is:', math.log(n))

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

n = int(input('Enter nth number of natural numbers: '))

l = []

for i in range(n):

m = (i+1)\*\*3

l.append(m)

print('Sum of Cubes of first', n, 'Natural Numbers :', sum(l))