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

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

def fibo(a,b,n):

if n==0:

return

print(",",a+b,end="")

fibo(b,(a+b),(n-1))

print("0, 1",end="")

fibo(0,1,n)

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

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

def fac(n):

if n==1:

return n

return n\*fac(n-1)

print("Factorial of Number = ",fac(n),end="")

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

kg=int(input("Enter weight in kilograms : "))

m=int(input("Enter height in centimetres : "))

print("BMI = ", kg/((m/100)\*\*2))

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

import math

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

b=int(input("Enter base: "))

print ("Logarithm base {} of {} is : ".format(b,n), math.log(n,b))

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

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

s=0

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

s+=i\*\*3

print("cube sum of first {} natural numbers is ".format(n),s)