1. Write a Python Program to Display Fibonacci Sequence Using Recursion?
2. Write a Python Program to Find Factorial of Number Using Recursion?
3. Write a Python Program to calculate your Body Mass Index?

Ans.

def bmi(x,y):

y = y/100

y = y\*\*2

bmi = x/y #formula for BMI is KG / m2

return bmi

weight = int(input("enter you body weight in KG : "))

height = float(input("enter you body weight in cm : "))

print("BMI is ",bmi(weight,height))

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

Ans.

Import math

def log(a):

b = math.log(a)

return b

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

Ans.

a = 6

b = 0

if a<0:

print("enter a positive interger")

else:

for i in range(a+1):

b = b + i

c = b\*\*3

print("cube sum of",b, "natural no. is ",c)