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

def fibo(n):

a=1

b=1

for i in range(n):

print(a)

a,b = b,b+a

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

def factorial(n):

a = 1

i = 1

while i <= n:

a \*= 1\*i

i += 1

return a

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

def BMI():

Height = float(input('Enter Height in m : '))

Weight = float(input('Enter Weight in kg : '))

return 'Your BMI index is {}'.format(Weight/Height\*\*2)

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

def logcalculator(k):

import numpy as np

return np.log(k)

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

def cubesum(n):

i = 1

a = 0\*\*3

while i<=n:

a += i\*\*3

i = i+1

return a