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

**Ans:**

def fibonacci(n):

if n<=1:

return n

else:

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

n =int(input("how many fibonacci number?"))

for i in range(1,5):

print(fibonacci(i))

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

**Ans:**

def factorial(n):

if n==1:

return 1

else:

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

print(factorial(5))

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

**Ans:**

height = float(input("Input your height in Feet: "))

weight = float(input("Input your weight in Kilogram: "))

print("Your body mass index is: ", round(weight / (height \* height), 2))

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

**Ans:**

import numpy as np

n=int(input("input integer number to find log:"))

print(np.log(n))

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

**Ans:**

n=int(input("how many natural numbers cube sum is require?:"))

sum=0

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

sum=sum+(i\*i\*i)

print(sum)