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

A)

var=5

fact=1

for i in range(var,0,-1):

fact=fact\*i

print("Factorial of ",var, " is: ",fact)

2. Write a Python Program to Display the multiplication Table?

A)

num=6

for i in range (1,11):

print(num," \* ",i," = ",num\*i)

3. Write a Python Program to Print the Fibonacci sequence?

A)

num=10

num1=0

num2=1

print(num1," ")

print(num2," ")

for i in range(2,num):

num3=num1+num2

num1=num2

num2=num3

print(num3," ")

4. Write a Python Program to Check Armstrong Number?

A)

num=153

sum1=0

length=int(len(str(num)))

temp=num

while (num!=0):

rem=num%10

sum1=sum1+rem\*\*length

num=num//10

if(sum1==temp):

print("armstrong")

else:

print("not armstrong")

5. Write a Python Program to Find Armstrong Number in an Interval?

A)

low=1

high=15000

arr=[]

for i in range(low,high):

num=i

sum1=0

length=int(len(str(num)))

temp=num

while (num!=0):

rem=num%10

sum1=sum1+rem\*\*length

num=num//10

if(sum1==temp):

arr.append(sum1)

print(arr)

6. Write a Python Program to Find the Sum of Natural Numbers?

A)

num=int(input("enter a number"))

sum1=0

for i in range(0,num+1):

sum1+=i

print(sum1)