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

Ans:-

x= int(input("Enter number "))

y=1

if x>1:

  for i in range(1,x+1):

    y=y\*i

  print("factorial of given number is ",y)

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

Ans:-

x= int(input("print table of "))

for i in range(1,11):

  print(i,"\*",x,"=",i\*x)

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

Ans:-

x= int(input("Enter how many fibonacci number you want "))

y1=0

y2=1

count=0

if x <= 0:

   print("Please enter a positive integer")

elif x == 1:

   print("Fibonacci sequence upto",x,":")

   print(y1)

else:

  while z<x:

    print(y1)

    yth= y1+y2

    y1=y2

    y2=yth

    count+=1

1. Write a Python Program to Check Armstrong Number?

Ans:-

x = int(input("Enter a number: "))

sum = 0

temp = x

while temp > 0:

   digit = temp % 10

   sum = sum + digit \*\* 3

   temp = temp// 10

if x == sum:

   print(x,"is an Armstrong number")

else:

   print(x,"is not Armstrong number")

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

Ans:-

y = int(input("Enter a lower number of range "))

z = int(input("Enter a higher number of range "))

for x in range(y,z+1):

  sum = 0

  temp = x

  while temp > 0:

    digit = temp % 10

    sum = sum + digit \*\* 3

    temp = temp// 10

  if x == sum:

    print(x)

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

Ans:-

x=int(input("Enter how many natural numbers sum you want "))

sum=x\*(x+1)/2

print("sum of first",x,"natural numbers is ",sum)