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

num = int(input("Enter a number: "))

factorial = 1

if num < 0:

print("Sorry, factorial does not exist for negative numbers")

elif num == 0:

print("The factorial of 0 is 1")

else:

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

factorial = factorial\*i

print("The factorial of",num,"is",factorial)

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

a=int(input("Enter number Dipslay multiply: "))

for i in range(1,11):

print(a,"X",i,"=",a\*i)

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

x1,x2=0,1

count=int(input("Enter Range Number : "))

for i in range(0,count):

print(x1)

x3=x1+x2

x1=x2

x2=x3

1. Write a Python Program to Check Armstrong Number?

num = int(input("Enter a number: "))

sum = 0

temp = num

while temp > 0:

digit = temp % 10

sum += digit \*\* 3

temp //= 10

if num == sum:

print(num,"is an Armstrong number")

else:

print(num,"is not an Armstrong number")

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

# Program to check Armstrong numbers in a certain interval

lower = 100

upper = 2000

for num in range(lower, upper + 1):

order = len(str(num))

sum = 0

temp = num

while temp > 0:

digit = temp % 10

sum += digit \*\* order

temp //= 10

if num == sum:

print(num)

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

num = 16

if num < 0:

print("Enter a positive number")

else:

sum = 0

# use while loop to iterate until zero

while(num > 0):

sum += num

num -= 1

print("The sum is", sum)