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

import math

def factorial(n):

return(math.factorial(n))

num = 6

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

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

#Python Program to Display the multiplication Table

num = int(input())

print("multiplcation table of 10 is: ")

for i in range(1,11):

print(num, 'x',i, '=', num\*i)

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

#Python Program to Print the Fibonacci sequence

x = 0

y = 1

fibonacci = 0

while fibonacci < 8:

z = x + y

print(z)

fibonacci = fibonacci + 1

x,y =y,z

1. Write a Python Program to Check Armstrong Number?

#Python Program to Check Armstrong Number

num = int(input())

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?

#Python Program to Find Armstrong Number in an Interval

lower = 100

upper = 200

for num in range(lower,upper):

sum = 0

temp = num

while temp > 0:

digit = temp % 10

sum +=digit\*\*3

temp //= 10

if num == sum:

print(num, "is an Armstrong number")

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

#Python Program to Find the Sum of Natural Numbers

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

if num < 0:

print("not a natural number")

else:

sum = 0

while(num>0):

sum += num

num -=1

print("The sum is", sum)