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

Ans.

#factorial of any number n!

# 4! = 4\*3\*2\*1

a = 10

sum = 1

for i in range(1,a):

sum = sum \*i

print(sum)

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

Ans.

def multi(b):

for i in range(1,11):

for j in range(1,b+1):

c = i \* j

print(c, end = " ")

print("\r")

multi(5)

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

Ans.

#Fibonacci sequence

x1 = 0

x2 = 1

count = 0

while count < a:

x = x1 + x2

print(x)

x1 = x2

x2 =x

count = count + 1

1. Write a Python Program to Check Armstrong Number?

Ans.

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

d = a

x = 0

while d > 0:

h = d % 10

x += h \*\* 3

d //= 10

print(d)

if a == x:

print("this is armstrong no.")

else:

print("this is not armstrong no. ")

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

Ans.

a = 400

sum = 0

for i in range(300, a):

j = i

sum = 0

while j > 0:

total = j % 10

sum += total \*\*3

j //= 10

if i == sum :

print(" this is armstrong no.", i)

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

Ans.

f = int(input("Enter the number :"))

x, y = 0 ,1

count = 0

if f < 0 :

print("enter a positive number")

while count < f:

x += y

y = y+1

count = count + 1

print("sum of {} is".format(f),x)