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

**Ans:**

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

fact=1

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

fact=fact\*i

print(fact)

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

**Ans:**

number = int(input("enter number to display multiplication table:"))

print("multiplication table of {0} is below:".format(number))

for i in range(1,11):

print("{0} \* {1} = {2}".format(number, i, number\*i))

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

**Ans:**

n = int(input("how many fibonacci sequence to display:"))

a=0

b=1

if n<0:

print("enter +ve number")

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

print(a)

c=a+b

a=b

b=c

1. Write a Python Program to Check Armstrong Number?

**Ans:**

n=int(input("enter number to check:"))

num =n

sum=0

while n>0:

d=n%10

sum = sum+(d\*d\*d)

n=int(n/10)

if sum == num:

print("number is armstrong")

else:

print("number is not armstrong")

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

**Ans:**

n=int(input("enter maximum range of number to check:"))

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

num =i

sum=0

while num>0:

d=num%10

sum = sum+(d\*d\*d)

num=int(num/10)

if sum == i:

print(i)

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

**Ans:**

n=int(input("how many numbers to sum:"))

sum=0

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

sum=sum+i

print(sum)