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

Ans-

n=int(input("enter the number"))

fact=1

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

fact\*=i

print(f"factorial of {n} is {fact}")

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

Ans-

n=int(input("enter the number"))

print(f"{n} table is .......")

for i in range(1,11):

c=n\*i

print(f"{n}\*{i}={c}")

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

Ans-

a=0

print(a)

b=1

print(b)

for i in range(1,5):

c=a+b

print(c)

a=b

b=c

1. Write a Python Program to Check Armstrong Number?

Ans-

n=input("enter the number")

l=len(n)

sum=0

for i in n:

sum+=int(i)\*\*int(l)

if sum==int(n):

print(f"{n} is an armstrong number")

else:

print(f"{n} is not an armstrong number")

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

Ans-

for i in range(1,400):

n=str(i)

l=len(n)

sum=0

for j in n:

sum+=int(j)\*\*int(l)

if sum==int(n):

print(f"{n} is an armstrong number")

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

Ans-

n=int(input("enter the number"))

sum=0

while n>0:

rem=n%10

sum+=rem

n=n//10

print(sum)