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

def fact(n):

if n==0 or n==1:

return 1

else:

return n\*fact(n-1)

print(fact(5))

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

def multiplication(num):

for i in range(1,11):

print(f"{num} \* {i} = {num\*i}")

multiplication(5)

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

def feb(n):

lis=[]

a,b=0,1

for i in range(n):

lis.append(a)

a,b=b,a+b

print(lis)

feb(10)

1. Write a Python Program to Check Armstrong Number?

def arm(n):

copy=n

l=len(str(n))

sum=0

while(n!=0):

r=n%10

sum=sum+(r\*\*l)

n=n//10

if(copy==sum):

print(f"{copy} is Armstrong number")

else:

print(f"{copy} is not a Armstrong number")

arm(153)

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

def find\_arm(lower,upper):

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

l=len(str(i))

copy=i

sum=0

while(copy!=0):

r=copy%10

sum=sum+(r\*\*l)

copy=copy//10

if(i==sum):

print(i)

lower = int(input("Enter lower range: "))

upper = int(input("Enter upper range: "))

find\_arm(lower,upper)

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

def sum\_natural(n):

sum=0

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

sum=sum+i

print(sum)

sum\_natural(5)