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

***num=int(input("enter a number"))***

***factorial=1***

***if num<0:***

***print("factorial doesn't exist for a negative number")***

***elif num==0:***

***print("the factorial of 0 is 1")***

***else:***

***for i in range(1,num+1):***

***factorial=factorial\*i***

***print("the factorial of",num,"is",factorial)***

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

***num=int(input("display the multiplication table of:"))***

***for i in range(1,11):***

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

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

***n=int(input("number of terms"))***

***a=0***

***b=1***

***sum=0***

***count=1***

***if n<=0:***

***print("enter a positive interger")***

***elif n==1:***

***print("fibonacci sequence upto",n,":")***

***print(a)***

***else:***

***print("fibonacci sequence:")***

***while count<n:***

***print(a)***

***sum=a+b***

***a=b***

***b=sum***

***count+=1***

1. ***Write a Python Program to Check Armstrong Number?***

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

***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?***

***lower=int(input("enter lower range:"))***

***upper=int(input("enter upper range:"))***

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

***power=len(str(i))***

***sum=0***

***temp=i***

***while temp>0:***

***digit=temp%10***

***sum+=digit\*\*power***

***temp//=10***

***if i==sum:***

***print(i)***

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

***num=int(input("enter a number"))***

***if num<0:***

***print("enter a positive number")***

***else:***

***sum=0***

***while(num>0):***

***sum+=num***

***num-=1***

***print("the sum is",sum)***