**1:Program to find the factorial of a number**

**n=int(input("Enter the Number:"))**

**s=1**

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

**s=s\*i**

**print("The Factorial is:",s)**

**output:**

**Enter the Number:4**

**The Factorial is: 24**

# CO 2 :Pgrm 2

**Generate Fibonacci series of N terms**

**n=int(input("Enter the Number:"))**

**a=0**

**b=1**

**c=0**

**f=0**

**while(f<n):**

**a=b**

**b=c**

**c=a+b**

**f=f+1**

**print(c ,end=" ")**

**output:**

**Enter the Number:6**

**1 1 2 3 5 8**

# CO 2 :Pgrm 3

**Find the sum of all items in a list**

**l1=[3,44,6,4,6,477,5]**

**s=sum(l1)**

**print("Sum is:",s)**

**output:**

**Sum is: 545**

# CO 2 :Pgrm 5

**Display the given pyramid with step number accepted from user.**

**n=int(input("Enter the n:"))**

**for i in range(1,n+2):**

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

**print(j,end="")**

**print()**

**output:**

**Enter the n:3**

**1**

**12**

**123**

# CO 2 :Pgrm 6

**Count the number of characters (character frequency) in a string**

**str=input("Enter the string:")**

**c=0**

**for i in str:**

**c=c+1**

**print("Number of Characters in the String: ",c)**

**output:**

**Enter the string:ananthu**

**Number of Characters in the String: 7**

**Co2 prgm 7:Add ‘ing’ at the end of a given string. If it already ends with ‘ing’, then add ‘ly’**

**str=input("Enter the String")**

**n=len(str)**

**if(str[n-3:]=="ing"):**

**str1=str.replace("ing","ly")**

**print(str1)**

**else:**

**str2=str+"ing"**

**print(str2)**

**output:**

**Enter the Stringgo**

**going**