Write a Program to find the sum of series 1!+2!+3!...+n!

**PROGRAM:**

n=int(input("Enter n values:"))

sum=0

fact=1

if(n==0):

fact=1

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

fact=fact\*i

sum=sum+fact

print(“THE SUM OF SERIES : “,sum)

**OUTPUT:**

Enter n values:6

THE SUM OF SERIES : 873

Write a Program to Find the sum of series 9+99+9 99+9999.....+N.

**PROGRAM:**  
  
n=int(input("ENTER THE NUMBER OF TERM : "))

j=9

sum=0

if(n==9):

print(j)

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

sum=sum+j

j=(j\*10)+9

print("THE SUM OF SERIES : ",sum)

**OUTPUT:**

ENTER THE NUMBER OF TERM : 3

THE SUM OF SERIES : 1107

Number Pyramid - Reverse Pyramid of Numbers

**PROGRAM:**

n=int(input("ENTER A NUMBER :"))

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

print()

for j in range (i,0,-1):

print(j,end=" ")

**OUTPUT:**  
  
ENTER A NUMBER :5

1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

Pyramid Pattern - Right start pattern of star

**PROGRAM:**  
  
n=int(input("ENTER A NUMBER : "))

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

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

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

print()

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

for j in range(n-i):

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

print()

**OUTPUT:**  
Enter range value:5

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\* \*

\*

Print all the leap year from 1900 – 2000:

**PROGRAM:**  
  
n=int(input("ENTER THE YEAR : "))

for i in range(1900,n+1):

if(i%4==0 and i%100!=0 or i%400==0):

print(i,end=" ")

**OUTPUT:**  
  
ENTER THE YEAR : 2000

1904 1908 1912 1916 1920 1924 1928 1932 1936 1940 1944 1948 1952 1956 1960 1964 1968 1972 1976 1980 1984 1988 1992 1996 2000