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

PROGRAM:

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

fact=1

if(n==0):

fact=1

sum=0

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

fact=fact\*i

sum=sum+fact

print(sum)

OUTPUT:

Enter n values:6

873

Write a Program to Find the sum of series 9+99+999+9999.....+N.

PROGRAM:  
  
n=int(input("Enter range:"))

sum=0

num=9

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

sum=sum+num

num=(num\*10)+9

print("The sum of series:",sum)

OUTPUT:

Enter range:3

The sum of series: 1107

Number Pyramid - Reverse Pyramid of Numbers

PROGRAM:  
n=int(input("enter no of rows:"))

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

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

a=j

print(a,end=" ")

a=j+1

print()

OUTPUT:  
  
enter no of rows: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 range value:"))

for i in range(n):

for j in range(i+1):

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

print()

for i in range(n):

for j in range(n-i-1):

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

print()

OUTPUT:  
Enter range value:5

\*

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Print all the leap year from 1900 – 2000:

PROGRAM:  
  
s=int(input("start year:"))

e=int(input("end year:"))

for year in range(s,e):

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

print(year)

OUTPUT:  
  
start year:1900

end year:2001

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