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

n=int(input(“Enter the number:”))

sum=0

fact=1

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

fact=fact\*i

sum=sum+fact

print(sum)

OUTPUT :

Enter the number : 5

153

2) n=int(input(&quot;Enter the range of number:&quot;))

sum=0

p=9

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

sum += p

p=(p\*10)+9

print(&quot;The sum of the series = &quot;,sum)

Output:

Enter the range of number:8

The sum of the series = 111111102

3)REVERSE PYRAMID OF NUMBERS

n=int(input(“enter the number: ”))

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

print()

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

print(j,end= ‘ ’)

OUTPUT :

1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

4) Pyramid Pattern - Right start pattern of star

n=int(input(“enter the 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 the number : 5

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4) Print all the leap year from 1900 - 2000

n=int(input(“Enter the year:”))

m=int(input(“Enter the year:”))

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

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

print(i,end=’ ’)

OUTPUT :

Enter the year : 2000

Enter the year : 1900