Find the number of series

a=int(input("Enter the value of a:"))

d=int(input("Enter the value of d:"))

n=int(input("Enter the value of n:"))

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

series=a+(i-1)\*d

print(series,end=" ")

OUTPUT:

Enter the value of a:1

Enter the value of d:3

Enter the value of n:10

1 4 7 10 13 16 19 22 25 28

Find the sum of series

n=int(input("Enter the value of n:"))

i=1

sum=0

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

sum=sum+(i\*\*3)

print("sum of series;",sum)

OUTPUT:

Enter the value of n:10

sum of series; 1

sum of series; 9

sum of series; 36

sum of series; 100

sum of series; 225

sum of series; 441

sum of series; 784

sum of series:1296

sum of series:2025

sum of series:3025

pyramid pattern of numbers

n=int(input("Enter the value of n:"))

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

print()

for j in range(i):

print(j+1,end=" ")

OUTPUT:

Enter the value of n:5

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

Find the 3 –pyramid patterns to downward

n=int(input("Enter the value of n:"))

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

print()

for j in range(i):

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

OUTPUT:

Enter the value of n:5

\* \* \* \* \*

\* \* \* \*

\* \* \*

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