**PROGRAM:**

# Print Arithmetic series 1 4 7 10...

n=int(input('Enter number of terms : '))

i=0

a=1

while(i<n):

print(a,end=',')

i+=1

a+=3

**OUTPUT:**

Enter number of terms : 10

1,4,7,10,13,16,19,22,25,28

**PROGRAM:**

# Program to Find the sum of series 1³+2³+3³+4³.....+N³.

n=int(input('Enter numeber of terms : '))

i=1

sum=0

while(i<=n):

sum+=i\*\*3

i+=1

print('The sum is',sum)

**OUTPUT:**

Enter numeber of terms : 10

The sum is 3025

**PROGRAM:**

n=int(input('Enter a number : '))

fori in range(1,n+1):

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

print(j,end=' ')

print()

**OUTPUT:**

Enter a number : 5

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

**PROGRAM:**

n=int(input('Enter number of rows : '))

a='\*'

fori in range(n,0,-1):

print(a\*i,end=' ')

print()

**OUTPUT:**

Enter number of rows : 5

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**PROGRAM:**

#convert binary to decimal

n=int(input("Enter binary value:"))

s=0

i=0

while(n>0):

r=n%10

s+=r\*(2\*\*i)

n//=10

i+=1

print(s)

**OUTPUT:**

Enter binary value:1010

10