1.NUMBER SERIES

PROGRAM:

n=int(input("enter the range of number:"))

sum=0

i=0

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

sum+=i

i+=2

print("the sum of the series=",sum)

OUTPUT

enter the range of number:8

the sum of the series= 36

PROGRAM

n=int(input("enter the range of number:"))

s=0

sum1=0

print("series are",end=" ")

for i in range(0,n):

s=s\*10+1

print(s,end=" ")

sum1=sum1+s

print( )

print("the sum of the series=",sum)

OUTPUT

enter the range of number:5

series are 1 11 111 1111 11111

the sum of the series= <built-in function sum>

NO:4 ARMSTRONG OR NOT

PROGRAM

n=int(input("enter a num"))

num=n

sum=0

while(n>0):

rem=n%10

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

n=n/10

if(sum==num):

print("armstrong no")

else:

print("not armstrong no")

OUTPUT

enter a num153

not armstrong no

NO:2 NUMBER PATTERN TO PYRAMID PATTERN

PROGRAM

rows=int(input("enter number of rows:"))

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

for j in range(0,i):

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

print( )

OUTPUT

enter number of rows:6

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NO:3 PYRAMID PATTERN TO DOUNWARD FULL PYRAMID PATTERN OF STAR

PROGRAM

rows=int(input("enter the number of rows:"))

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

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

print(end=" ")

for k in range(0,i):

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

print( )

OUTPUT

enter the number of rows:6

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