PROBLEM :4A

1.TO FIND THE SUM OF SERIES 1+3+5+…+N

2. TO FIND THE SUM OF SERIES 1+2+3+…+N

#The Sum of Series

#printing sum of 1+2+3+...+N

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

sum=0

for i in range(1,n+1,2):

sum=sum+i

print("The sum of n numbers:",sum)

#Printing the sum of 1+2+3+...+N

n=int(input("Enter the number:"))

sum=0

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

sum=sum+i

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

OUTPUT

Enter a number:10

('The sum of n numbers:', 25)

Enter the number:10

('The sum of series N:', 55)

PROBLEM:4B

TO FIND THE PRIME NUMBERS FROM 1 TO 50

INPUT

for i in range(1,51):

sum=0

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

if(i%j==0):

sum=sum+1

if(sum==2):

print(i,end='')

OUTPUT

3

5

7

9

11

13

15

17

19

21

23

25

27

29

31

33

35

37

41

43

47

49

PROBLEM 4C

TO PRINT PYRAMID OF NUMBERS

CODE

for i in range(1,10,2):

for j in range(i):

print(i,end="")

print()

OUTPUT

1

3 3

5 5 5

7 7 7 7

9 9 9 9 9

PROBLEM 4D

TO PRINT THE PYRAMID OF STAR \*

CODE

def print\_pyramid(n):

for i in range(0,n):

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

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

print("\r")

print\_pyramid(5)

OUTPUT

\*   
 \* \*   
 \* \* \*   
 \* \* \* \*   
 \* \* \* \* \*   
 \* \* \* \* \* \*