I. NUMBER SERIES

PRINTING SUM OF N ODD NUMBERS

AIM:

To write a python code to find the sum of N odd numbers

CODE:

N=int(input("Enter the N value:"))

i=1

sum=0

while(i<=N):

sum=sum+i

i=i+2

print(sum)

SAMPLE OUTPUT:

Enter the N value:10

25

SUM OF N NATURAL NUMBERS

AIM:

To write a python code to find the sum of N natural numbers

CODE:

N=int(input("Enter the N value:"))

i=1

sum=0

while(i<=N):

sum=sum+i

i=i+1

print(sum)

SAMPLE OUTPUT:

Enter the N value:5

15

II. NUMBER PYRAMID-ALTERNATE NUMBER PATTERN USING WHILE LOOP

AIM:

To write a python code to display number pyramid of odd numbers using while loop

CODE:

rows = 5

i = 1

while i <= rows:

j = 1

while j <= i:

print((i \* 2 - 1), end=" ")

j = j + 1

i = i + 1

print(' ')

SAMPLE OUTPUT:

1

3 3

5 5 5

7 7 7 7

9 9 9 9 9

III. PYRAMID PATTERN-EQUILATERAL PATTERN OF STAR

AIM:

To write a python code to print the odd number pyramid from 1 to 10 using while loop

CODE:

size =int(input("Enter the size of pattern"))

m = (2 \* size) - 2

for i in range(0, size):

for j in range(0, m):

print(end=" ")

# decrementing m after each loop

m = m - 1

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

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

print(" ")

SAMPLE OUTPUT:

Enter the size of pattern6

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IV.PRIME NUMBERS FOR 1 TO 50

AIM:

To write a python code to print the prime numbers from 1 to 5

CODE:

for i in range (1,51):

if i > 1:

for j in range (2,i):

if (i % j) == 0:

break

else:

print (i)

SAMPLE OUTPUT:

2

3

5

7

11

13

17

19

23

29

31

37

41

43

47

RESULT:

The python code to print the number series,pyramid pattern and prime numbers is written and executed.