

PROGRAMMING ASSIGNMENT

1. Sum of Even Digits

Objective:

Add sum of the even digits in the given number.

Input Format:

First line contains a integer.

Constraints:

$$0 < N \leq 10^4$$

Output Format:

print the sum of even digits.

Sample Input:

3765

Sample Output:

12

Explanation:

N= 3 7 6 5

7 and 5 at even digit position . So, $7+5 = 12$.

2. Number Pattern

Objective:

Print the below pattern. If $N=4$,

```
1
2 3
4 5 6
7 8 9 10
```

Input Format:

First line contains a integer N .

Constraints:

$0 < N \leq 10^2$

Output Format:

print the pattern

Sample Input:

5

Sample Output:

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
```

3. No of Even and Odd Factors

Objective:

Find the even and odd factors of the given integer N.

Input Format:

First line contains a integer N.

Constraints:

$$0 < N \leq 10^3$$

Output Format:

Print the no. of even factors of the integer N.

Print the no. of odd factors of the integer N.

Sample Input:

48

Sample Output:

7

2

Explanation:

Factors of 48 = 1, 2, 3, 4, 6, 8, 12, 24, 48

No. of even factors = {2, 4, 6, 8, 12, 24, 48} = 7

No. of odd factors = {1, 3} = 2