CS23331-DAA-2024-CSE / Problem 3: Finding Complexity using Counter Method

Problem 3: Finding Complexity using Counter Method

```
Started on Wednesday, 27 August 2025, 8:16 PM
Completed on Wednesday, 27 August 2025, 8:24 PM
  Time taken 7 mins 28 secs
       Marks 1.00/1.00
       Grade 10.00 out of 10.00 (100%)
```

Question 1 | Correct Mark 1.00 out of 1.00 ♥ Flag question

```
Convert the following algorithm into a program and find its time complexity using counter method.
    for (i = 1; i <= num; ++i)
     if (num % i== 0)
        printf("%d ", i);
    }
```

Note: No need of counter increment for declarations and scanf() and counter variable printf() statement.

A positive Integer n

Print the value of the counter variable

Answer:

```
int n,i,counter=0;
scanf("%d",&n);
10
11 v
12
13
14
15
16
17
18 }
                      counter++;
if(n%i==0){
                      counter++;
```

Ī		Input	Expected	Got	
	~	12	31	31	~
I	~	25	54	54	~
	~	4	12	12	~

Passed all tests! 🗸

Marks for this submission: 1.00/1.00.

