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

# Problem 3: Finding Complexity using Counter Method

Started on	Monday, 18 August 2025, 10:47 PM			
State	Finished			
Completed on	Monday, 18 August 2025, 10:51 PM			
Time taken	4 mins 8 secs			
Marks	1.00/1.00			
Grade	<b>10.00</b> out of 10.00 ( <b>100</b> %)			

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.
Factor(num) {
    for (i = 1; i <= num;++i)
        {
        if (num % i== 0)
            {
             printf("%d ", i);
            }
        }
    }
}</pre>
```

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

## Input:

A positive Integer n

#### Output:

Print the value of the counter variable

## Answer:

- #include <stdio.</pre>
- 2

		Input	Expected	Got	
	•	12	31	31	~
	~	25	54	54	~
	•	4	12	12	~

Passed all tests! 🗸

## Correct

Marks for this submission: 1.00/1.00.

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