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CS23331-DAA-2024-CSE / Problem 4: Finding Complexity using Counter Method

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# Problem 4: Finding Complexity using Counter Method

Started on	Tuesday, 30 September 2025, 12:37 PM
State	Finished
Completed on	Tuesday, 30 September 2025, 12:41 PM
Time taken	4 mins 49 secs
Marks	1.00/1.00
Grade	<b>10.00</b> out of 10.00 ( <b>100</b> %)

## 

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

#### Input:

A positive Integer n

#### Output:

Print the value of the counter variable

### Answer:

```
1 #include <stdio.h>
2 v int main(){
       int count=0;
      scanf("%d",&n);
      count++;
      for(int i=n/2; i<n; i++){
          count++;
           count++;
          for(int j=1; j < n; j = 2 * j){
               count++;
               count++;
              for(int k=1; k<n; k = k * 2){
                  count++;
                  count++;
       count++;
       printf("%d",count);
```

		Input	Expected	Got	
	<b>~</b>	4	30	30	<b>~</b>
	<b>~</b>	10	212	212	~

Passed all tests! 🗸

### Correct

Marks for this submission: 1.00/1.00.

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