



## CS23331-Design and Analysis of Algorithms-2023 Batch-CSE

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Quiz navigation



Finish review

```
Started on Tuesday, 13 August 2024, 1:46 PM

State Finished

Completed on Tuesday, 13 August 2024, 1:52 PM

Time taken 6 mins 55 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 the counter method.

void func(int n)
{
    if(n=1)
    {
        printf("*");
    }
    else
    {
        for(int i=1; i<=n; i++)
        {
            printf("*");
            printf("*");
            printf("*");
            break;
        }
    }
}
Note: No need of counter increment for declarations and scanf() and count variable printf() statements.
Input:
    A positive Integer n
Output:</pre>
```

Answer: (penalty regime: 0 %)

Print the value of the counter variable

```
1 #include<stdio.h>
    int main(){
         int n,count=0;
         scanf("%d",&n);
int func(int n){
4
             count++;
                  count++;
                  //printf("*");
10
                  count++;
11
             else{
12
                  count++;
for(int i=1;i<=n;i++){
13
14
15
                       for(int j=1;j<=n;j++){</pre>
16
                           count++;
//printf("*");
17
18
                           count++;
19
                           //printf("*");
20
21
                           count++;
22
                           break;
23
24
                       count++;
25
26
27
28
29
             return count;
30
31
32
         printf("%d",func(n));
33
34
         return 0;
```

