





(A) (D) VARSHINI S 2024-CSE V



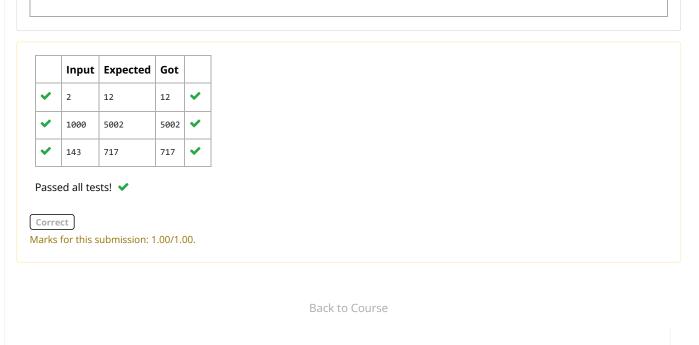
Started on	Wednesday, 13 August 2025, 8:35 PM
State	Finished
Completed on	Wednesday, 13 August 2025, 9:17 PM
Time taken	42 mins 34 secs
Marks	1.00/1.00
Grade	10.00 out of 10.00 (100 %)

Question 1 | Correct Mark 1.00 out of 1.00

```
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++)
       for(int j=1; j<=n; j++)</pre>
         printf("*");
         printf("*");
         break;
       }
    }
   }
 }
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: (penalty regime: 0 %)

```
#include<stdio.h>
 1
 2 ▼
    void func(int n){
 3
         int count=0;
 4
         if(n==1){
 5
             count++;
 6
 7
         else{
 8 ,
             for(int i=1;i<=n;i++){</pre>
 9
                 count++;
10
                  count++;
                  for(int j=1;j<=n;j++){</pre>
11
12
                      count++;
13
                      count++;
14
                      break;
15
                  }
16
                  count++;
17
             }
18
             count++;
19
20
         count++;
         printf("%d",count);
21
22
         return;
23
24 ▼
    int main(){
25
         int n;
         scanf("%d",&n);
26
27
         func(n);
28
```



118.185.187.137/moodle/mod/quiz/review.php?attempt=229164&cmid=2649

1.