## **Finding Time Complexity of algorithms**

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Consert the failusing algorithm lots a progress and find its time complexity using the counter method.

soil found in the facilities of the counter location for the counter method.

The programme of the counter location for the counter working a location for the counter working and scantly and count working printful to work and counter location for the counter working a location for the counter working a location for the counter working and scantly and count working a location for the counter working a location for the counter working a location for the counter working and scantly and count working a location for the counter working and scantly and count working a location for the counter working and scantly and count working a location for the counter working and scantly and count working a location for the counter working and scantly and counter working a location for the counter working and scantly and counter working a location for the counter working and scantly and counter working a location for the counter working and scantly and and scantly
```

```
Question 1
Correct
Mark 1.00 out
of 1.00
P Flag question
```

```
...(num % i== 0)
{
    printf("%d ", i);
    }
}
                            Input:
A positive Integer n
Output:
Print the value of the counter variable
                    Answer:

1 | winclude<stdio.h>
2 | void factor(int n){
3 | int a=0;
4 | for(int i=1;i<n;i++){a++;
5 | ja+;
9 | printf("Xd",a);
10 | }
11 | Ant main(){
12 | int n; int n;
```

## | Input | Expected | Got | | 12 | 31 | 31 | ✓ | 25 | 54 | 54 | ✓ ✓ 4 12 12 ✓ Passed all tests! 🗸

Correct
Marks for this submission: 1.00/1.00.

Question 1
Correct
Mark 1.00 out of 1.00
P Flag question

```
Convert the following algorithm into a program and find its time
  complexity using counter method.
   void function(int n)
vaid funca-
{
    int co 0:
        for (int lon/2; len; l++)
        c++;
   Note: No need of counter increment for declarations and scanf() and count variable printf() statem
   Input:
A positive Integer n
Output:
Print the value of the counter variable
```

```
Input Expected Got
Passed all tests! 🗸
```

Correct
Marks for this submission: 1.00/1.00.

```
Convert the following algorithm into a program and find its time complexity using counter method. Wild reverse(list n) { int rev = 0, remainder; while (n \mid z \mid 0) { remainder = n \le 10} rev = n \ge 10} rev = n \ge 10
                                                                                                                                               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
```

Input	Expected	Got		
<b>✓</b> 12	11	11	~	
<b>✓</b> 1234	19	19	~	
Passed all test	ed all tests! 🗸			
Correct	rect lks for this submission: 1.00/1.00.			