

**Started on** Wednesday, 17 September 2025, 10:50 AM

**State** Finished

**Completed on** Wednesday, 17 September 2025, 10:55 AM

**Time taken** 5 mins 20 secs

**Marks** 1.00/1.00

**Grade** **10.00** out of 10.00 (**100%**)

**Question 1** | Correct Mark 1.00 out of 1.00**Problem Statement**

Given an array of 1s and 0s this has all 1s first followed by all 0s. Aim is to find the number of 0s. Write a program using Divide and Conquer to Count the number of zeroes in the given array.

Input Format

First Line Contains Integer m – Size of array

Next m lines Contains m numbers – Elements of an array

Output Format

First Line Contains Integer – Number of zeroes present in the given array.

**Answer:** (penalty regime: 0 %)

```
1  #include <stdio.h>
2  int main(){
3      int m;
4      scanf("%d",&m);
5      int a[m];
6      int c=0;
7      for(int i=0;i<m;i++){
8          scanf("%d",&a[i]);
9      }
10     for(int i=0;i<m;i++){
11         if(a[i]==0){
12             c++;
13         }
14     }
15     printf("%d",c);
16 }
```

	Input	Expected	Got	
✓	5 1 1 1 0 0	2	2	✓
✓	10 1 1 1 1 1 1 1 1 1 1 1	0	0	✓



	Input	Expected	Got	
✓	8 0 0 0 0 0 0 0 0 0	8	8	✓
✓	17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0	2	2	✓



Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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