




CS233331-DAA-2024-CSE / 1-Number of Zeros in a Given Array



1-Number of Zeros in a Given Array

Started on Friday, 19 September 2025, 1:33 PM**State** Finished**Completed on** Friday, 19 September 2025, 1:56 PM**Time taken** 22 mins 7 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](#)

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 a,j=0;
4     scanf("%d",&a);
5     int arr[a];
6     for(int i=0;i<a;i++){
7         scanf("%d",&arr[i]);
8     }
9     for(int i=0;i<a;i++){
10        if(arr[i]==0){
11            j++;
12        }
13    }
14    printf("%d ",j);
15 }
```

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

	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
✓	80000000	8	8	✓
✓	17111111111111111	2	2	✓

1			
1			
0			
0			

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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