

CS23331-DAA-2024-CSE / 1-Number of Zeros in a Given Array



1-Number of Zeros in a Given Array

Started on Wednesday, 17 September 2025, 8:29 AM

State Finished

Completed on Friday, 3 October 2025, 11:39 AM

Time taken 16 days 3 hours

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(){
```



Quiz navigation

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Finish review

```

3     int n;
4     scanf("%d",&n);
5     int a[n];
6     for(int i=0;i<n;i++){
7         scanf("%d",&a[i]);
8     }
9     int c=0;
10    for(int i=0;i<n;i++){
11        if(a[i]==0){
12            c++;
13        }
14    }
15    printf("%d",c);
16    return 0;
17 }

```

	Input	Expected	Got	
✓	5	2	2	✓
	1			
	1			
	1			
	0			
	0			
✓	10	0	0	✓
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
✓	8	8	8	✓
	0			
	0			

0			
0			
0			
0			
0			
0			
0			
✓	17	2	2
1			
1			
1			
1			
1			
1			
1			
1			
1			
1			
1			
1			
1			
1			
1			
1			
0			
0			

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Finish review

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