



Started on	Wednesday, 17 September 2025, 8:22 AM
State	Finished
Completed on	Wednesday, 17 September 2025, 8:27 AM
Time taken	5 mins 9 secs
Marks	1.00/1.00
Grade	10.00 out of 10.00 (100%)

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          if(a[i]==0){
10             c++;
11         }
12     }
13     printf("%d",c);
14 }
```

	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	8	8	✓
	0			
	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			
	1			
	1			
	0			
	0			

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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