CountPrime

Write a C program to find the number of prime numbers in a array of integers

Input Format

- First line contains *n*, the size of the array
- Second line contains *n* integers seperated by spaces

Constraints

- 0 < *n* <= 100
- 1 < arr[i] < 100

Output Format

Number of prime numbers in the array

Sample Input 0

```
5
2 3 4 5 7
```

Sample Output 0

```
4
```

Sample Input 1

```
2
4 8
```

Sample Output 1

```
0
```


Current Buffer (saved locally, editable) C

```c
#include <stdio.h>
int main ()
{
    int n,arr [100],i,c=0,j,p;
    scanf ("%d",&n);
    for (i=0;i<n;i++)
    {
        scanf ("%d",&arr [i]);
    }
    for (i=0;i <n;i++)
    {
        j=2;
```

```
        p=1;
        while  (j <arr [i])
        {
            if (arr [i]%j ==0)
            {
                p=0;
                break;
            }
            j++;
        }
        if (p==1)
        {
            c=c+1;
        }
    }

    printf ("%d",c);
    return 0;
}
```

Line: 1 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code

Testcase 0 ✔ | Testcase 1 ✔

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
5
2 3 4 5 7
```

Your Output (stdout)

```
4
```

Expected Output

```
4
```