JOBS

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CountPrime

Problem Submissions Leaderboard Discussions

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



Submissions: 32 Max Score: 10 Difficulty: Medium

Rate This Challenge: ななななな

More

```
C
Current Buffer (saved locally, editable) & 49
                                                                                                                         Ö
     #include <stdio.h>
 2
     int main ()
 3 ▼
 4 ▼
         int n,arr [100],i,c=0,j,p;
 5
         scanf ("%d",&n);
 6
         for (i=0;i<n;i++)
 7 •
 8 •
              scanf ("%d",&arr [i]);
 9
10
         for (i=0;i <n;i++)
11 🔻
12
              j=2;
```

```
13
               p=1;
  14 🔻
               while (j <arr [i])</pre>
  15 ▼
  16 ▼
                    if (arr [i]%j ==0)
  17 ▼
  18
                        p=0;
  19
                       break;
  20
  21
  22
  23
               if (p==1)
  24 🔻
  25
                   c=c+1;
  26
  27
  28
  29
           printf ("%d",c);
  30
           return 0;
  31
  32
  33
  34
  35
  36
  37
  38
                                                                                                                Line: 1 Col: 1
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)
  2 3 4 5 7
  Your Output (stdout)
   4
  Expected Output
   4
```