

write a C program to Count number of trailing zeros in product of array

```
#include <stdio.h>
```

```
int countZeros(int a[], int n)
```

```
{
```

```
    int count2 = 0, count5 = 0;
```

```
    for (int i = 0; i < n; i++) {
```

```
        while (a[i] % 2 == 0) {
```

```
            a[i] = a[i] / 2;
```

```
            count2++;
```

```
        }
```

```
        while (a[i] % 5 == 0) {
```

```
            a[i] = a[i] / 5;
```

```
            count5++;
```

```
        }
```

```
    }
```

```
    return (count2 < count5) ? count2 : count5;
```

```
}
```

```
int main()
```

```
{
```

```
    int a[100];
```

```
    int n;
```

```
    printf("Enter n value\n");
```

```
    scanf("%d",&n);
```

```
    printf("Enter array elements\n");
```

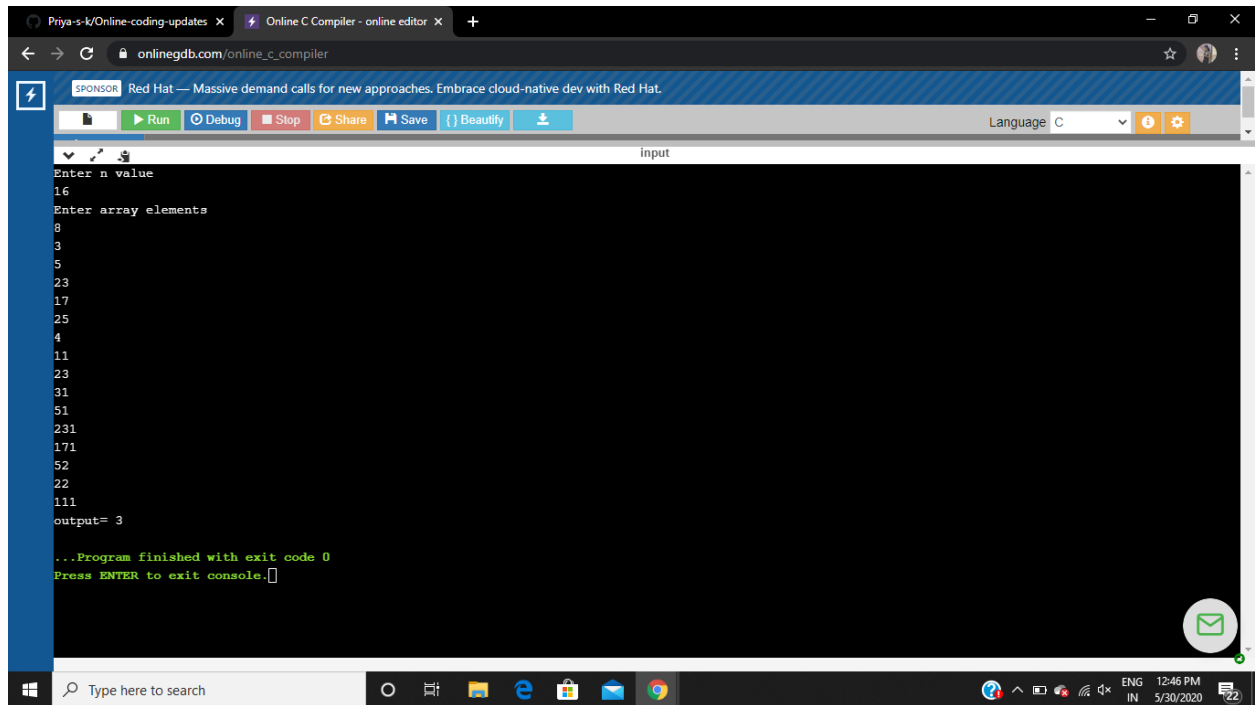
```
    for(int i=0;i<n;i++)
```

```
scanf("%d",&a[i]);

printf("output= %d" ,countZeros(a, n));

return 0;

}
```



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The interface includes a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to C. The input area shows the following sequence of inputs: "Enter n value", "16", "Enter array elements", and a list of 16 numbers: 8, 3, 5, 23, 17, 25, 4, 11, 23, 31, 51, 231, 171, 52, 22, 111. The output area displays "output= 3". A message at the bottom states "...Program finished with exit code 0" and "Press ENTER to exit console." The Windows taskbar at the bottom shows the time as 12:46 PM on 5/30/2020.

```
Enter n value
16
Enter array elements
8
3
5
23
17
25
4
11
23
31
51
231
171
52
22
111
output= 3

...Program finished with exit code 0
Press ENTER to exit console.
```