

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

```
import java.util.*;
```

```
import java.lang.*;
```

```
public class GfG
```

```
{
```

```
    public static int countZeroso(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;
```

```
    }
```

```
    public static void main(String argc[])
```

```

{

Scanner sc=new Scanner(System.in);

System.out.println("n=");

    int n = sc.nextInt();

    System.out.println("array elements");

    int[] a = new int[n];

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

        a[i]=sc.nextInt();

    System.out.println("Output");

    System.out.println(countZeroso(a, n));

}

}

```

The screenshot shows a web browser window with the URL `jdoodle.com/online-java-compiler/`. The page contains a Java code editor on the left and an execution panel on the right.

Code in the editor:

```

1  import java.util.*;
2  import java.lang.*;
3
4  public class GfG
5  {
6
7      public static int countZeroso(int[] a, int n)
8      {
9          int count2 = 0, counts = 0;
10         for (int i = 0; i < n; i++)
11         {
12             while (a[i] % 2 == 0)
13             {
14                 a[i] = a[i] / 2;
15                 count2++;
16             }
17
18             while (a[i] % 5 == 0)
19             {
20                 a[i] = a[i] / 5;
21                 counts++;
22             }
23         }
24         return (count2 < counts) ? count2 : counts;
25     }
26
27     public static void main(String arg[])
28     {
29         Scanner sc=new Scanner(System.in);
30         int n = sc.nextInt();
31         System.out.println("n=");
32         System.out.println("array elements");
33
34         int[] a = new int[n];
35         for(int i=0;i<n;i++)
36         {
37             a[i]=sc.nextInt();
38             System.out.println("Output");
39             System.out.println(countZeroso(a, n));
40         }
41     }
42

```

Execution Panel:

- Execute Mode, Version, Inputs & Arguments:**
 - JDK 11.0.4
 - CommandLine Arguments: (empty)
 - ☐ Interactive
 - Execute** button
- Result:**

compiled and executed in 17.954 sec(s)

```

n=
8
array elements
8
3
5
23
17
25
4
11
Output
3

```

At the bottom of the browser window, there is a Windows taskbar with the search bar and various application icons. A system tray at the bottom right shows the date and time: **ENG 12:59 PM IN 5/30/2020**.