- **EASY**
- **Max Score: 30 Points**

Number of zeroes filled subarray

Given an integer array `arr` of size `n`, return the number of subarrays filled with `0`. A subarray is a contiguous non-empty sequence of elements within an array.

Input Format

First line of input contains a single number `n`.

The second line of input conatins `n` space seperated integer representing array elements.

Output Format

Return the number of subarrays filled with `0`.

Example 1

Input

```
5
1 0 2 0 1
```

Output:

```
2
```

Explanation:

There are 2 occurence of [0].

Example 2

Input

```
4
1 2 0 0
```

Output:

```
3
```

Explanation:

There are 2 occurence of [0], there is 1 occurence of subarray [0,0].

Constraints

```
1 <= n <= 10^5
```

```
-2^31 <= arr[i] <= 2^31-1
```

My code

```java
// n java
import java.io.*;

public class Main
{
    public static void main (String[] args) throws
java.lang.Exception
    {
```

```java
        //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        int arr[]=new int[n];
        for(int i=0;i<n;i++)
                arr[i]=s.nextInt();
        int ans=0;
        int c=0;
        for(int i=0;i<n;i++)
                {
                        if(arr[i]==0)
                                c++;
                        else
                        {
                                ans+=(c*c+c)/2;
                                 c=0;
                        }
                }
        ans+=(c*c+c)/2;
        System.out.print(ans);

    }
}
```