- **MEDIUM**
- **Max Score: 40 Points**

Number of good pairs

Given an array of integers nums, print the number of good pairs.

A pair (i, j) is called good if nums[i] == nums[j] and i < j.

Input Format

The first line contains a two integers n(size of array n) and k.

Second line contains n spaced integers.

Output Format

Print number of good pairs

Example 1

Input

```
4
1 1 1 1
```

Output

```
6
```

Explanation

There are 6 good pairs (all possible pairs with i<j are good pairs).

Example 2

Input

```
6
1 2 3 1 1 3
```

Output

```
4
```

Explanation

There are 4 good pairs (0,3), (0,4), (3,4), (2,5) 0-indexed.

Constraints

1 <= nums.length <= 100

1 <= nums[i] <= 100

My code

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


public class Main
```

```java
{
    public static void main (String[] args) throws
java.lang.Exception
    {
        //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 c=0;
         for(int i=0;i<n-1;i++)
                {
                        for(int j=i+1;j<n;j++)
                           if(arr[i]==arr[j])   c++;
                }
        System.out.print(c);
    }
}
```