



Birthday Cake Candles



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Problem

Submissions

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Editorial

Colleen is turning n years old! Therefore, she has n candles of various heights on her cake, and candle i has height $height_i$. Because the taller candles tower over the shorter ones, Colleen can only blow out the tallest candles.

Given the $height_i$ for each individual candle, find and print the number of candles she can successfully blow out.

Input Format

The first line contains a single integer, n , denoting the number of candles on the cake.

The second line contains n space-separated integers, where each integer i describes the height of candle i .

Constraints

- $1 \leq n \leq 10^5$
- $1 \leq height_i \leq 10^7$

Output Format

Print the number of candles Colleen blows out on a new line.

Sample Input 0

```
4
3 2 1 3
```

Sample Output 0

```
2
```

Explanation 0

We have one candle of height **1**, one candle of height **2**, and two candles of height **3**. Colleen only blows out the tallest candles, meaning the candles where $height = 3$. Because there are **2** such candles, we print **2** on a new line.



Submissions: 65716

Max Score: 10

Difficulty: Easy

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Java 8



```
1 | import java.util.Arrays;
```

```
2 import java.util.Scanner;
3
4 public class Solution {
5
6     static int birthdayCakeCandles(int n, int[] ar) {
7         // Complete this function
8         int counter = 0;
9
10        Arrays.sort(ar);
11        int tallest = ar[n - 1];
12        for (int i = n; i > 0; i--) {
13            if (tallest == ar[i - 1]) {
14                counter++;
15            }
16        }
17        return counter;
18    }
19
20    public static void main(String[] args) {
21        Scanner in = new Scanner(System.in);
22        int n = in.nextInt();
23        int[] ar = new int[n];
24        for (int ar_i = 0; ar_i < n; ar_i++) {
25            ar[ar_i] = in.nextInt();
26        }
27        int result = birthdayCakeCandles(n, ar);
28        System.out.println(result);
29    }
30 }
31
```

Line: 18 Col: 6

 Upload Code as File☐ Test against custom input

Run Code

Submit Code

Testcase 0 **Congratulations, you passed the sample test case.**Click the **Submit Code** button to run your code against all the test cases.**Input (stdin)**

```
4
3 2 1 3
```

Your Output (stdout)

```
2
```

Expected Output

```
2
```

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