



Birthday Cake Candles

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Problem

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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.

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Max Score: 10

Difficulty: Easy

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Java 7



```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     static int birthdayCakeCandles(int n, int[] ar) {
10         // Complete this function
11     }
12
13     public static void main(String[] args) {
14         Scanner in = new Scanner(System.in);
15         int n = in.nextInt();
16         int[] ar = new int[n];
17         for(int ar_i = 0; ar_i < n; ar_i++){
18             ar[ar_i] = in.nextInt();
19         }
20         int result = birthdayCakeCandles(n, ar);
21         System.out.println(result);
22     }
23 }
24
```

Line: 1 Col: 1

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Test against custom input

Run Code

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