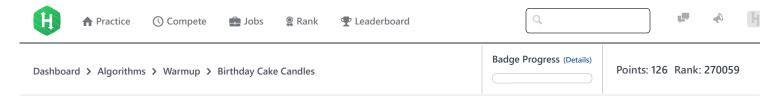
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Birthday Cake Candles





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

Given the *heighti* 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, $n_{\rm r}$ denoting the number of candles on the cake.

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

Constraints

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

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:<u>121139</u>
Max Score:10
Difficulty: Easy
Rate This Challenge:
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Test against custom input

```
1 ▼ import java.io.*;
 2 import java.util.*;
 3 import java.text.*;
 4 import java.math.*;
 5 import java.util.regex.*;
 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) {
            Scanner in = new Scanner(System.in);
14
15
            int n = in.nextInt();
16 ▼
            int[] ar = new int[n];
            for(int ar_i = 0; ar_i < n; ar_i++){</pre>
17 ▼
                ar[ar_i] = in.nextInt();
18 ▼
19
            int result = birthdayCakeCandles(n, ar);
20
            System.out.println(result);
21
22
23
    }
24
                                                                                                                  Line: 1 Col: 1
```

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