



Birthday Cake Candles



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Problem

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Colleen is turning n years old! 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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Submissions: 12336

Max Score: 10

Difficulty: Easy

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C#



```
1 using System;
```

```
2 using System.Collections.Generic;
3 using System.IO;
4 using System.Linq;
5 class Solution {
6
7     static void Main(String[] args) {
8         int n = Convert.ToInt32(Console.ReadLine());
9         string[] height_temp = Console.ReadLine().Split(' ');
10        int[] height = Array.ConvertAll(height_temp, e=> int.Parse(e));
11
12        int max = 0;
13        int cont_max = 0;
14        for (int i = 0; i < height.Length; i++)
15        {
16            if (height[i] > max)
17            {
18                max = height[i];
19                cont_max=1;
20            }
21            else if (height[i] == max)
22            {
23                cont_max++;
24            }
25        }
26
27        Console.WriteLine(cont_max);
28    }
29 }
30
```

Line: 27 Col: 41

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Congrats, you solved this challenge!

✓ Test Case #0

✓ Test Case #1

✓ Test Case #2

✓ Test Case #3

✓ Test Case #4

✓ Test Case #5

✓ Test Case #6

✓ Test Case #7

✓ Test Case #8

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