



Dashboard > Algorithms > Warmup > Birthday Cake Candles

Badge Progress [\(Details\)](#)

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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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Current Buffer (saved locally, editable)

C++14



```
1 #include <iostream>
2 #include <vector>
3 #include <algorithm>
4 using namespace std;
```

```
5
6 int main()
7 {
8     long int n=0, temp=0, Count=0, t=0;
9     vector<long int> vec;
10    cin>>n;
11    if (n>=1 && n<=100000)
12    {
13        for(int i=0; i<n; ++i)
14        {
15            cin>>temp;
16            vec.push_back(temp);
17        }
18        sort(vec.begin(), vec.end());
19        t=vec[n-1]; // last we have bigger value!
20        for(vector<long int>::iterator itr=vec.end()-1; itr!=vec.begin()-1; --itr)
21            if (*itr==t)
22                Count++;
23        /*for(int i=vec.size(); i>0; --i)
24            cout<<vec[i-1]<<" ";*/
25        cout<<Count;
26    }
27    return 0;
28 }
```

Line: 1 Col: 1

 Upload Code as File☐ Test against custom input

Run Code

Submit Code