



Birthday Cake Candles ★

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Problem

Submissions

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You are in charge of the cake for a child's birthday. It will have one candle for each year of their total age. They will only be able to blow out the tallest of the candles. Your task is to count how many candles are the tallest.

Example

`candles` = [4, 4, 1, 3]

The tallest candles are 4 units high. There are 2 candles with this height, so the function should return 2.

Function Description

Complete the function **`birthdayCakeCandles`** with the following parameter(s):

- **`int candles[n]`**: the candle heights

Returns

- **`int`**: the number of candles that are tallest

Input Format

The first line contains a single integer, **`n`**, the size of **`candles`**.

The second line contains **`n`** space-separated integers, where each integer **`i`** describes the height of **`candles[i]`**.

Constraints

- $1 \leq n \leq 10^5$
- $1 \leq candles[i] \leq 10^7$

Sample Input 0

```
4
3 2 1 3
```

Sample Output 0

```
2
```

Explanation 0

Candle heights are [3, 2, 1, 3]. The tallest candles are 3 units, and there are 2 of them.

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Language

Python 3



```
1 #!/bin/python3
```

```

2
3 import math
4 import os
5 import random
6 import re
7 import sys
8
9 #
10 # Complete the 'birthdayCakeCandles' function below.
11 #
12 # The function is expected to return an INTEGER.
13 # The function accepts INTEGER_ARRAY candles as parameter.
14 #
15
16 def birthdayCakeCandles(candles):
17     # Write your code here
18     maximum = 0
19     cnt = 0
20     for candle in candles:
21         if candle > maximum:
22             maximum = candle
23             cnt = 1
24         elif candle == maximum:
25             cnt += 1
26     return cnt
27
28 if __name__ == '__main__':
29     fptr = open(os.environ['OUTPUT_PATH'], 'w')
30
31     candles_count = int(input().strip())
32
33     candles = list(map(int, input().rstrip().split()))
34
35     result = birthdayCakeCandles(candles)

```

EMACS

Line: 26 Col: 15

☐ Test against custom input

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8%

503.8/850



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Compiler Message

☒ Test case 1

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✔ Test case 4 🔒

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Input (stdin)

1

4

2

3 2 1 3

Expected Output

1

2

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