

616

19



## 739. Daily Temperatures

Notes

[Description \(/problems/daily-temperatures/description/\)](/problems/daily-temperatures/description/)[Hints \(/problems/daily-temperatures/hints/\)](/problems/daily-temperatures/hints/)[Submissions \(/problems/daily-temperatures/submissions/\)](/problems/daily-temperatures/submissions/)[🎲 Pick One \(/problems/random-one-question/\)](/problems/random-one-question/)

Given a list of daily temperatures, produce a list that, for each day in the input, tells you how many days you would have to wait until a warmer temperature. If there is no future day for which this is possible, put 0 instead.

For example, given the list temperatures = [73, 74, 75, 71, 69, 72, 76, 73], your output should be [1, 1, 4, 2, 1, 1, 0, 0].

**Note:** The length of temperatures will be in the range [1, 30000]. Each temperature will be an integer in the range [30, 100].

Seen this question in a real interview before?



### Companies ⓘ ▲

[Bloomberg 4 \(/company/bloomberg/\)](/company/bloomberg/)[Google 3 \(/company/google/\)](/company/google/)[Amazon 2 \(/company/amazon/\)](/company/amazon/)

### Related Topics ▲

[Hash Table \(/tag/hash-table/\)](/tag/hash-table/)[Stack \(/tag/stack/\)](/tag/stack/)

### Similar Questions ▲

[Next Greater Element I \(/problems/next-greater-element-i/\)](/problems/next-greater-element-i/)

Java



```
1 class Solution {
2     public int[] dailyTemperatures(int[] temperatures) {
3         int[] result = new int[temperatures.length];
4         if (temperatures.length == 0) {
5             return result;
6         }
7         Stack<Integer> unfulfilled = new Stack<>();
8         unfulfilled.push(0);
9         for (int i=1; i<temperatures.length; i++) {
10            while (!unfulfilled.isEmpty() &&
                temperatures[unfulfilled.peek()] < temperatures[i]) {
```

```
11         int index = unfulfilled.pop();
12         result[index] = i - index;
13     }
14     unfulfilled.push(i);
15 }
16
17 while (!unfulfilled.isEmpty()) {
18     result[unfulfilled.pop()] = 0;
19 }
20 return result;
21 }
22 }
```

 Notes☐ Custom Testcase ( **Contribute** ⓘ ) Run Submit

Copyright © 2018 LeetCode

[Contact Us \(/support/\)](/support/) | [Frequently Asked Questions \(/faq/\)](/faq/) | [Terms of Service \(/terms/\)](/terms/) | [Privacy Policy \(/privacy/\)](/privacy/) [United States \(/region/\)](/region/)