

Problem 1299: Replace Elements with Greatest Element on Right Side

Problem Information

Difficulty: Easy

Acceptance Rate: 71.72%

Paid Only: No

Tags: Array

Problem Description

Given an array `arr`, replace every element in that array with the greatest element among the elements to its right, and replace the last element with `-1`.

After doing so, return the array.

Example 1:

Input: arr = [17,18,5,4,6,1] **Output:** [18,6,6,6,1,-1] **Explanation:** - index 0 --> the greatest element to the right of index 0 is index 1 (18). - index 1 --> the greatest element to the right of index 1 is index 4 (6). - index 2 --> the greatest element to the right of index 2 is index 4 (6). - index 3 --> the greatest element to the right of index 3 is index 4 (6). - index 4 --> the greatest element to the right of index 4 is index 5 (1). - index 5 --> there are no elements to the right of index 5, so we put -1.

Example 2:

Input: arr = [400] **Output:** [-1] **Explanation:** There are no elements to the right of index 0.

Constraints:

$1 \leq arr.length \leq 10^4$ $-1 \leq arr[i] \leq 10^5$

Code Snippets

C++:

```
class Solution {
public:
    vector<int> replaceElements(vector<int>& arr) {

    }
};
```

Java:

```
class Solution {
    public int[] replaceElements(int[] arr) {

    }
}
```

Python3:

```
class Solution:
    def replaceElements(self, arr: List[int]) -> List[int]:
```