

1299. Replace Elements with Greatest Element on Right Side

Easy

839

149

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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 <= arr.length <= 104`
- `1 <= arr[i] <= 105`

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Seen this question in a real interview before?

Yes

No

Companies

```
1 class Solution:
2     def replaceElements(self, arr: List[int]) -> List[int]:
3         n = len(arr)
4         right_max = -1
5         for i in range(n-1, -1, -1):
6             right_max = max(right_max, arr[i+1])
7             arr[i] = right_max
8         arr[-1] = -1
9         return arr
```

Your previous code was