

# 1762. Buildings With an Ocean View Premium

Medium Topics Companies Hint

There are  $n$  buildings in a line. You are given an integer array `heights` of size  $n$  that represents the heights of the buildings in the line.

The ocean is to the right of the buildings. A building has an ocean view if the building can see the ocean without obstructions. Formally, a building has an ocean view if all the buildings to its right have a **smaller** height.

Return a list of indices (**0-indexed**) of buildings that have an ocean view, sorted in increasing order.

### Example 1:

**Input:** `heights = [4,2,3,1]`  
**Output:** `[0,2,3]`  
**Explanation:** Building 1 (0-indexed) does not have an ocean view because building 2 is taller.

### Example 2:

**Input:** `heights = [4,3,2,1]`  
**Output:** `[0,1,2,3]`  
**Explanation:** All the buildings have an ocean view.

### Example 3:

**Input:** `heights = [1,3,2,4]`  
**Output:** `[3]`  
**Explanation:** Only building 3 has an ocean view.

### Constraints:

- $1 \leq \text{heights.length} \leq 10^5$
- $1 \leq \text{heights}[i] \leq 10^9$

Seen this question in a real interview before? 1/5

Yes No

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Hint 1

You can traverse the buildings from the nearest to the ocean to the furthest.

Hint 2

Keep with you the maximum to the right while traversing to determine if you can see the ocean or not.

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