





# **Problem Description**

Given an integer array **A** containing **N** distinct integers, you have to find **all the leaders** in array **A**. An element is a leader if it is **strictly greater than** all the elements to its **right side**.

NOTE: The rightmost element is always a leader.

## **Problem Constraints**

$$1 \le A[i] \le 10^8$$

## **Input Format**

There is a single input argument which a integer array A

# **Output Format**

Return an integer array denoting all the leader elements of the array.

#### **Example Input**

Input 1:

$$A = [16, 17, 4, 3, 5, 2]$$

Input 2:

$$A = [5, 4]$$

## **Example Output**

Output 1:

Output 2:

Explanation 1: Element 17 is strictly greater than all the elements on the right side to it. Element 2 is strictly greater than all the elements on the right side to it. Element 5 is strictly greater than all the elements on the right side to it. So we will return these three elements i.e [17, 2, 5], we can also return [2, 5, 17] or [5, 2, 17] or any other ordering. Explanation 2: Element 5 is strictly greater than all the elements on the right side to it. Element 4 is strictly greater than all the elements on the right side to it. So we will return these two elements i.e [5, 4], we can also any other ordering. ⇒ Appracch (currenty) -> Stort iterating from end of the orray corry forward the moximum element -> keep on adding the maximum elements found 01 they cre found and updated 17 mox = 2always hore the rightmost element as element - S, S 7 max a leader, as add (S there or no element = 3 , 3 is not ) max element to it's dement=4, 4 is not >5 right which one greaten 1

**Example Explanation**