



Second Largest

Difficulty: **Easy**Accuracy: **26.72%**Submissions: **942K+**Points: **2**

Given an array of **positive** integers **arr[]**, return the **second largest** element from the array. If the second largest element doesn't exist then return **-1**.



Note: The second largest element should not be equal to the largest element.

Examples:

Input: arr[] = [12, 35, 1, 10, 34, 1]**Output:** 34**Explanation:** The largest element of the array is 35 and the second largest element is 34.**Input:** arr[] = [10, 5, 10]**Output:** 5**Explanation:** The largest element of the array is 10 and the second largest element is 5.**Input:** arr[] = [10, 10, 10]**Output:** -1**Explanation:** The largest element of the array is 10 and the second largest element does not exist.

Constraints:

 $2 \leq \text{arr.size}() \leq 10^5$ $1 \leq \text{arr}[i] \leq 10^5$ [Try more examples](#)

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C++ (g++ 5.4)▼

Average Time: 15m

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```
1   // } Driver Code Ends
8  // User function template for C++
9  class Solution {
10     public:
11         // Function returns the second
12         // largest elements
13         int getSecondLargest(vector<int> &arr) {
14             // Code Here
15
16             int n=arr.size();
17             int max=arr[0];
18             for(int i=0;i<n;i++){
19                 if(arr[i]>max){
20                     max=arr[i];
21                 }
22             }
23             int secondmax=INT_MIN;
24
25             for(int i=0;i<n;i++){
26                 if(arr[i]>secondmax&&arr[i]!=max){
27                     secondmax=arr[i];
28                 }
29             }
30
31             if (secondmax == INT_MIN) {
32                 return -1;
33             }
34
35             return secondmax;
36         }
37     }
```

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