

CSE204 Online

Duration: 30 mins

Marks: 20

Task

Change the push and pushBack method in both Array and Linked List based implementation, so that if the element is already there in the list, it doesn't get inserted again.

Now add another function with following definition

```
int kThLargest(int k)
```

It will take an integer k as input and will return the kth largest element present in the list. If k is greater than the size of the list return -1.

To evaluate your solution, we will start from an empty list. You can add any helper function.

Example

If the current list is: [1, 2, 5, 6, 3] and k = 2

Output will be the 2nd largest element: 5