

```

1:  /*
2:      Name: Find kth Largest element in unsorted array
3:      Copyright: Interview Practice Set
4:      Date: 22-09-20 14:22
5:  */
6:  #include <bits/stdc++.h>
7:  using namespace std ;
8:
9:  int main() {
10:      srand(time(NULL)) ;
11:      ios::sync_with_stdio(0), cin.tie(0), cout.tie(0);
12:
13:      int n;
14:      cin >> n ;
15:      vector<int> nums(n) ;
16:      for(i, n){ cin >> nums[i] ; }
17:      int k; cin >> k;
18:      make_heap(nums.begin(), nums.end(), greater<int>{}) ;
19:      while(k--){
20:          debug() << imie(nums) imie(k);
21:          pop_heap(nums.begin(), nums.end()) ;
22:          make_heap(nums.begin(), nums.end(), greater<int>{});
23:      }
24:      cout << nums[0] << endl ;
25:  }
26:

```