**Kth Largest Element In A Stream**

#include <bits/stdc++.h>

class Kthlargest {

public:

priority\_queue<int, vector<int>, greater<int> > minHeap;

int kValue;

Kthlargest(int k, vector<int>& arr) {

kValue = k;

for (auto num : arr) {

if (minHeap.size() < k)

minHeap.push(num);

else if (minHeap.size() == k && num >= minHeap.top())

minHeap.push(num);

if (minHeap.size() > k)

minHeap.pop();

}

}

void add(int num) {

if (minHeap.size() < kValue)

minHeap.push(num);

else if (minHeap.size() == kValue && num >= minHeap.top())

minHeap.push(num);

if (minHeap.size() > kValue)

minHeap.pop();

}

int getKthLargest() {

return minHeap.top();

}

};