**K Most Frequent Elements**

#include <bits/stdc++.h>

bool compare(const std::pair<int, int>& a, const std::pair<int, int>& b) {

return a.second > b.second; // Sort in ascending order based on the second value

}

vector<int> KMostFrequent(int n, int k, vector<int> &arr)

{

// Write your code here.

sort(arr.begin(),arr.end());

vector<pair<int,int>> v;

int count=1;

int i;

for( i=1; i<n; i++){

if(arr[i]==arr[i-1]) count++;

else

{

v.push\_back({arr[i-1],count});

count=1;

}

}

v.push\_back({arr[i-1],count});

std::sort(v.begin(), v.end(), compare);

vector<int> ans;

for(int i=0; i<v.size(); i++){

if(k!=0){

ans.push\_back(v[i].first);

k--;

}

}

sort(ans.begin(),ans.end());

return ans;

}