Top k frequency elements

1)when ever we want top k elements, we need to implement maxheap

2)so we top k elements are always in the maxheap and the other elements popped off

3)if we want low freq k elements we implement minheap

class Solution {

public int[] topKFrequent(int[] nums, int k)

{

HashMap<Integer,Integer> map=new HashMap<>();

for(int x : nums)

{

map.put(x,map.getOrDefault(x,0)+1);

}

PriorityQueue<Integer> pq=new PriorityQueue((a,b)->map.get(a)-map.get(b));

for(int x :map.keySet())

{

pq.add(x);

if(pq.size()>k)

{

pq.poll();

}

}

int[] result=new int[k];

int i=0;

while(!pq.isEmpty())

{

result[i++]=pq.poll();

}

return result;

}

}