K closet number

class pair

{

int key;

int value;

}

class Solution {

public List<Integer> findClosestElements(int[] arr, int k, int x)

{

PriorityQueue<pair> pq=new PriorityQueue<>(new Comparator<pair>(){

public int compare(pair a ,pair b)

{

return b.key-a.key;

}

});

List<Integer> result=new ArrayList<>();

for(int i=0; i<k ;i++)

{

pair temp=new pair();

temp.key=Math.abs(arr[i]-x);

temp.value=arr[i];

pq.add(temp);

}

for(int i=k;i<arr.length ;i++)

{

pair temp=new pair();

temp.key=Math.abs(arr[i]-x);

temp.value=arr[i];

pair check=pq.peek();

if(check.key>temp.key)

{

pq.add(temp);

pq.poll();

}

}

while(!pq.isEmpty())

{

pair p=pq.peek();

result.add(p.value);

pq.poll();

}

Collections.sort(result);

return result;

}

}