**Median in a stream**

#include<bits/stdc++.h>

vector<int> findMedian(vector<int> &arr, int n){

// Write your code here

vector<int>res;

priority\_queue<int>pq;

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

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

{

pq.push(arr[i]);

int temp = pq.top();

pq.pop();

qq.push(temp);

if(qq.size() > pq.size())

{

temp = qq.top();

qq.pop();

pq.push(temp);

}

if(pq.size() != qq.size()) res.push\_back(pq.top());

else res.push\_back((pq.top()+qq.top())/2);

}

return res;

}