**Merge Intervals**

#include <bits/stdc++.h>

/\*

intervals[i][0] = start point of i'th interval

intervals[i][1] = finish point of i'th interval

\*/

vector<vector<int>> mergeIntervals(vector<vector<int>> &intervals)

{

// Write your code here.

vector<vector<int>> ans;

vector<int> v(2,0);

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

int n = intervals.size();

v[0] = intervals[0][0];

v[1] = intervals[0][1];

if(n==1) {

ans.push\_back(v);

return ans;

}

int flag=0;

int i;

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

if(intervals[i][0]<=v[1]){

v[0] = min(v[0],intervals[i][0]);

v[1] = max(v[1],intervals[i][1]);

flag=1;

continue;

}

else{

ans.push\_back(v);

v[0] = intervals[i][0];

v[1] = intervals[i][1];

flag=0;

}

}

ans.push\_back(v);

return ans;

}