Problem Link:

<https://leetcode.com/problems/relative-ranks/>

Solution:

class Solution {

public:

vector<string> findRelativeRanks(vector<int>& score) {

int n = (int)score.size();

vector<int> v = score;

sort(v.rbegin(), v.rend());

map<int,int> m;

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

m[v[i]] = i + 1;

vector<string> res(n);

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

{

int r = m[score[i]];

if(r == 1)

res[i] = "Gold Medal";

else if(r == 2)

res[i] = "Silver Medal";

else if(r == 3)

res[i] = "Bronze Medal";

else

res[i] = to\_string(r);

}

return res;

}

};