Reto Semestral Ronda #1

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**EASY – Left Rotate**

//

// main.cpp

// problem1

//

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//

#include <iostream>

#include <vector>

using namespace std;

//Left Rotation - Easy

int main() {

int iN, iD;

cin >> iN >> iD;

int arr[iN], temp[iD];

for (int i = 0; i < iD; i++){

cin >> temp[i];

}

for (int i = 0; i<iN-iD; i++){

cin >> arr[i];

}

for (int i = iN-iD, k=0; i<iN; i++, k++){

arr[i] = temp[k];

}

for (int i = 0; i<iN; i++){

cout << arr[i];

if (i<iN-1)

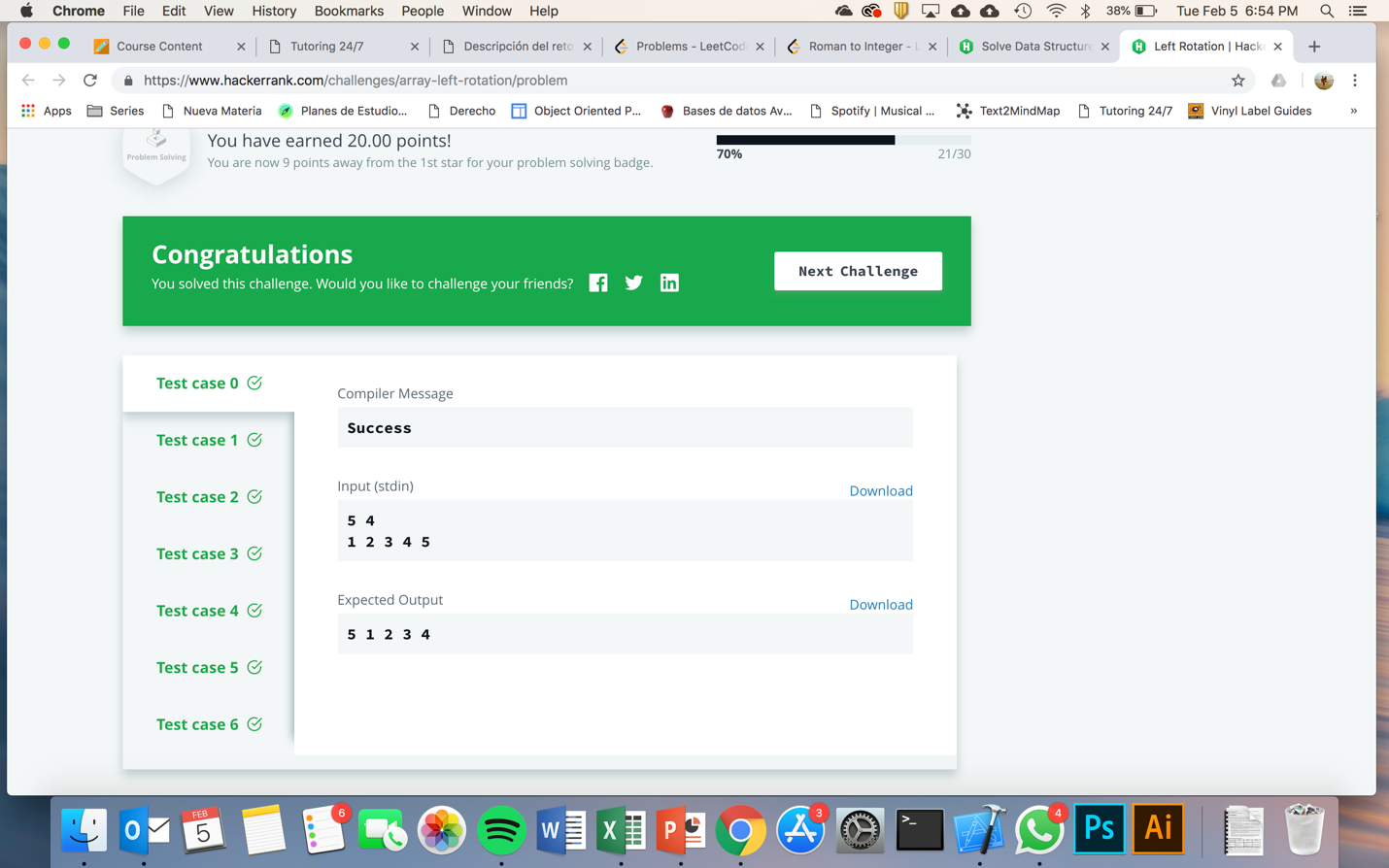
{

cout << " ";

}

}

}



**MEDIUM – Sparse Arrays**

//

// main.cpp

// problem2

//

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//

#include <vector>

#include <iostream>

using namespace std;

// Complete the matchingStrings function below.

vector<int> matchingStrings(vector<string> strings, vector<string> queries, int queries\_count, int strings\_count) {

vector<int> res(queries\_count);

for (int i = 0; i < queries\_count; i++){

int iCount = 0;

for (int j = 0; j < strings\_count; j++){

if (queries[i] == strings[j]){

iCount++;

}

}

res[i] = iCount;

}

return res;

}

int main()

{

int strings\_count;

cin >> strings\_count;

vector<string> strings(strings\_count);

string strings\_item;

for (int i = 0; i < strings\_count; i++) {

cin >> strings\_item;

strings[i] = strings\_item;

}

int queries\_count;

cin >> queries\_count;

vector<string> queries(queries\_count);

string queries\_item;

for (int i = 0; i < queries\_count; i++) {

cin >> queries\_item;

queries[i] = queries\_item;

}

vector<int> res = matchingStrings(strings, queries, queries\_count, strings\_count);

for (int i = 0; i < res.size(); i++) {

cout << res[i];

if (i != res.size() - 1) {

cout << "\n";

}

}

cout << "\n";

return 0;

}

