**JUNIOR DIVISION**

**STRING MODIFICATION 2** **[MEDIUM]**

**Question Link:** <https://www.hackerrank.com/contests/codebash-2-0-junior/challenges/string-modifying>

**Solution:** **(C++)**

#include<iostream>

using namespace std;

int main() {

int i = 0, count = 0, transformationCount = 0;

char maxAlphabet;

string str, output = "";

cin >> str;

maxAlphabet = str[0];

while(str[i+1] != '\0'){

while(str[i] == str[i+1]) {

count++;

i++;

}

++count;

if(str[i] > maxAlphabet)

maxAlphabet = str[i];

if(count > 2) {

output += to\_string(count) + str[i];

transformationCount++;

} else {

for (int a = 0; a < count; a++) {

output += str[i];

}

}

i++;

count = 0;

}

while(str[i] != 0) {

output += str[i];

if(str[i] > maxAlphabet)

maxAlphabet = str[i];

i++;

}

--i;

for (int j = 1; j <= transformationCount; j++) {

output += maxAlphabet + j;

}

cout << output;

return 0;

}