



Shri Vile Parle Kelavani Mandal's

# INSTITUTE OF TECHNOLOGY

## DHULE (M.S.)

### DEPARTMENT OF COMPUTER ENGINEERING

**Subject : Competitive Programming Lab**

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**Roll No. : 32**

**Class : TY. Comp. Engg.**

**Batch : T2**

**Division: T**

**Expt. No. :06**

**Date : 24/03/2025**

**Title : Automated Judge Script**

Remark

Signature

#### Language: C++

//Automated Judge Script by Meraj 32 T2

#include <iostream>

#include <string>

using namespace std;

```
int main() {  
    int n, m;  
    int run = 1;
```

```
    while (true) {  
        if (!(cin >> n)) {  
            break;  
        }  
        if (n == 0) {  
            break;  
        }  
        cin.ignore();
```

```
        string standard[100];  
        for (int i = 0; i < n; i++) {  
            getline(cin, standard[i]);  
        }
```

```

cin >> m;
cin.ignore();
string output[100];
for (int i = 0; i < m; i++) {
    getline(cin, output[i]);
}

bool exactMatch = true;
if (n != m) {
    exactMatch = false;
} else {
    for (int i = 0; i < n; i++) {
        if (standard[i] != output[i]) {
            exactMatch = false;
            break;
        }
    }
}

if (exactMatch) {
    cout << "Run #" << run << ": Accepted\n";
    run++;
    continue;
}

string numStd = "";
for (int i = 0; i < n; i++) {
    for (char c : standard[i]) {
        if (c >= '0' && c <= '9') {
            numStd += c;
        }
    }
}

string numOut = "";
for (int i = 0; i < m; i++) {
    for (char c : output[i]) {
        if (c >= '0' && c <= '9') {
            numOut += c;
        }
    }
}

```

```

    if (numStd == numOut) {
        cout << "Run #" << run << ": Presentation Error\n";
    } else {
        cout << "Run #" << run << ": Wrong Answer\n";
    }

    run++;
}

return 0;
}

```

## Output :

The screenshot shows the Code::Blocks IDE with the following details:

- File Name:** Mohammed Meraj Automated Judge Script.cpp - Code::Blocks 20.03
- Code Editor:**

```

1  #include <iostream>
2  #include <string>
3
4  using namespace std;
5
6  int main() {
7      int n, m;
8      int run = 1;
9
10     while (true) {
11         if (!(cin >> n)) {
12             break;
13         }
14         if (n == 0) {
15             break;
16         }
17         cin.ignore();
18
19         string standard[100];
20         for (int i = 0; i < n; i++) {
21             getline(cin, standard[i]);
22         }
23
24         cin >> m;
25         cin.ignore();
26         string output[100];
27         for (int i = 0; i < m; i++) {
28             getline(cin, output[i]);
29         }
30
31         bool exactMatch = true;
32         if (n != m) {

```
- Output Console:**

```

2
The answer is: 10
The answer is: 5
2
The answer is: 10
The answer is: 5
Run #1: Accepted
2
The answer is: 10
The answer is: 5
2
The answer is: 10
The answer is: 15
Run #2: Wrong Answer
2
The answer is: 10
The answer is: 5
2
The answer is: 10
The answer is: 5
Run #3: Accepted
-

```
- Taskbar:** Shows the Windows taskbar with the search bar, task view button, and several open applications including Code::Blocks, File Explorer, and a terminal window.