LAB 1

HTML TABLE

Lab_1.cpp

```
#include<iostream>
#include<fstream>
#include<string>

using namespace std;

int main() {
    int row, col;
    string entry;
    fstream file_t;

    file_t.open("Lab_01.htm", ios::in);
    if (file_t) {
        file_t.close();
        remove("Lab_01.htm");
    }

    cout << "Enter the number of columns: ";
    cin >> col;
    cout << "Enter the number of rows: ";
    cin >> row;

    file_t.open("Lab_01.htm", ios::out);
    if (file_t) {

        file_t << "<!DOCTYPE html>\n";
        file_t << "<html>\n";
        file_t << "<head>\n";
        file_t << "<title>Simple HTML Table</title>\n";
        file_t << "</head>\n";
        file_t << "<body>\n";
        file_t << "<h2>HTML Table</h2>\n";
```

```
        file_t << "<table border='1'>\n";

        file_t << "<tr>\n";
        cin.ignore();
        for (int j = 0; j < col; j++) {
            cout << "Enter the name for column " << j + 1 << ": ";
            getline(cin, entry);
            file_t << "<th>" << entry << "</th>\n";
        }
        file_t << "</tr>\n";

        cout << "Now, give the entries for the table:" << endl;
        for (int i = 0; i < row; i++) {
            file_t << "<tr>\n";
            for (int j = 0; j < col; j++) {
                cout << "For Row " << i + 1 << " Column " << j + 1 << ": ";
                getline(cin, entry);
                file_t << "<td>" << entry << "</td>\n";
            }
            file_t << "</tr>\n";
        }

        file_t << "</table>\n";
        file_t << "</body>\n";
        file_t << "</html>\n";

        file_t.close();
        cout << "HTML table has been created and saved as 'Lab_01.htm'." << endl;
    }

    return 0;
}
```