

Internet Application Development

Lab 01

Source Code

```
#include <iostream>
#include <fstream>
using namespace std;

int main()
{
    int rows, cols;
    cout << "Enter the number of columns: ";
    cin >> cols;
    cout << "Enter the number of rows: ";
    cin >> rows;
    ofstream htmlFile;
    htmlFile.open("HTML_table.html");
    htmlFile << "<!DOCTYPE html>\n";
    htmlFile << "<html>\n<head>\n<title>Table</title>\n";
    htmlFile << "<style>\n";
    htmlFile << "table, th, td {\n";
    htmlFile << "    width: 60%;\n";
    htmlFile << "    border: 1px solid black;\n";
    htmlFile << "    border-collapse: collapse;\n";
    htmlFile << "};\n";
    htmlFile << "th, td {\n";
    htmlFile << "    padding: 10px;\n";
    htmlFile << "};\n";
    htmlFile << "</style>\n";
    htmlFile << "</head>\n<body>\n";
    htmlFile << "<table>\n";
    htmlFile << "<tr>\n";
    for (int j = 0; j < cols; ++j) {
        string header;
        cout << "Enter header for column " << (j + 1) << ":
";
    }
};
```

```

        cin.ignore();
        getline(cin, header);
        htmlFile << "<th>" << header << "</th>\n"; }
htmlFile << "</tr>\n";
for (int i = 0; i < rows; ++i) {
    htmlFile << "<tr>\n";
    for (int j = 0; j < cols; ++j) {
        string data;
        cout << "Enter data for cell [" << i << "][" <<
j << "]: ";
        getline(cin, data);
        htmlFile << "<td>" << data << "</td>\n"; }
        htmlFile << "</tr>\n"; }
htmlFile << "</table>\n</body>\n</html>\n";

    htmlFile.close();
    cout << "HTML table generated and saved to
HTML_table.html." << endl;
    return 0;
}

```