



A series of thin, white, curved lines are arranged in a diagonal cluster in the upper right corner of the slide. These lines vary in length and curvature, creating a sense of motion or perspective.

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;
}
```