

TOPIC:RAINFALL
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PROGRAM

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

class Rainfall {
    int cities, months;
    float rain[10][12]; // max 10 cities and 12 months

public:
    void input() {
        cout << "Enter number of cities: ";
        cin >> cities;
        cout << "Enter number of months: ";
        cin >> months;

        for (int i = 0; i < cities; i++) {
            cout << "City " << i + 1 << ":\n";
            for (int j = 0; j < months; j++) {
                cout << " Month " << j + 1 << " rainfall: ";
                cin >> rain[i][j];
            }
        }
    }

    void display() {
        cout << "\nRainfall Table:\n";

        for (int i = 0; i < cities; i++) {
            float sum = 0;
            cout << "City " << i + 1 << ": ";
```

```

        for (int j = 0; j < months; j++) {
            cout << rain[i][j] << " ";
            sum += rain[i][j];
        }
        cout << " | Avg: " << sum / months << "\n";
    }
}

};

int main() {
    Rainfall rf;
    rf.input();
    rf.display();

    return 0;
}

```

OUTPUT:

The screenshot shows a terminal window titled 'Terminal' with the following output:

```

Enter number of cities: 3
Enter number of months: 3
City 1:
Month 1 rainfall: 76
Month 2 rainfall: 77
Month 3 rainfall: 78
City 2:
Month 1 rainfall: 79
Month 2 rainfall: 80
Month 3 rainfall: 81
City 3:
Month 1 rainfall: 82
Month 2 rainfall: 82
Month 3 rainfall: 81

Rainfall Table:
City 1: 76 77 78 | Avg: 77
City 2: 79 80 81 | Avg: 80
City 3: 82 82 81 | Avg: 81.6667

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(program exited with code: 0)
Press return to continue

```