```cpp
/*---Matrix Addition----*/

#include<iostream>
using namespace std;

int main()
{
    int n;
    cout << "Enter the dimension of your matrix:\n";
    cin >> n;

    int add[n][n], M1[n][n], M2[n][n];
    cout << "Enter first matrix:\n";
    for(int i = 0; i < n; i++)
    {
        for(int j = 0; j < n; j++)
        {
            cin >> M1[i][j];
        }
    }

    cout << "Enter second matrix:\n";
    for(int i = 0; i < n; i++)
    {
        for(int j = 0; j < n; j++)
        {
            cin >> M2[i][j];
        }
    }

    for(int i = 0; i < n; i++)
    {
        for(int j = 0; j < n; j++)
        {
            add[i][j] = M1[i][j] + M2[i][j];
        }
    }

    cout << "Addition is: \n";
    for(int i = 0; i < n; i++)
    {
        for(int j = 0; j < n; j++)
        {
            cout << add[i][j] << " ";
        }
        cout << endl;
```

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47:
48:     }
49:
50:     return 0;
51: }
```