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// addition of two matrices using two dimensional array.cpp : This
file contains the 'main' function. Program execution begins and
ends there.
//
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#include <iostream>
using namespace std;
```

```
int main()
{
    int rows, cols;
    int m1[5][5], m2[5][5], m3[5][5];
    cout << "enter number of rows and columns: " << endl;
    cin >> rows >> cols;
    cout << "Input first matrix" << endl;

    for (int i = 0; i < rows; i++)
    {
        for (int j = 0; j < cols; j++)
        {
            cout << "matrix[" << i << "][" << j << "] = " << " ";
            cin >> m1[i][j];
        }
    }

    cout << "Input second matrix: " << endl;
    for (int i = 0; i < rows; i++)
    {
        for (int j = 0; j < cols; j++)
        {
            cout << "matrix[" << i << "][" << j << "] = " << " ";
            cin >> m2[i][j];
        }
    }

    cout << "Adding matrices.....: " << endl;
    for (int i = 0; i < rows; i++)
    {
        for (int j = 0; j < cols; j++)
        {
            m3[i][j] = m1[i][j] + m2[i][j];
        }
    }

    cout << "Result matrix.....: " << endl;
    for (int i = 0; i < rows; i++)
    {
        for (int j = 0; j < cols; j++)
        {
            cout << m3[i][j]<<" ";
        }
    }
}
```

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    }  
    cout << "\\n";  
}  
return 0;  
}
```