

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

int main() {
    int A[2][2] = {{1, 2}, {3, 4}};
    int B[2][2] = {{5, 6}, {7, 8}};
    int C[2][2] = {0};

    // Matrix multiplication
    for (int i = 0; i < 2; i++)
        for (int j = 0; j < 2; j++)
            for (int k = 0; k < 2; k++)
                C[i][j] += A[i][k] * B[k][j];

    // Display result
    cout << "Resultant Matrix:\n";
    for (int i = 0; i < 2; i++) {
        for (int j = 0; j < 2; j++)
            cout << C[i][j] << " ";
        cout << endl;
    }

    return 0;
}
```