

Answer on Question #37897, Programming, C++

```
#include <iostream>

int main()
{
    const int rowA = 3;
    const int colA = 2;
    const int rowB = 2;
    const int colB = 3;

    int aMatrix[rowA][colA] = {{1, 4}, {2, 5}, {3, 6}};
    int bMatrix[rowB][colB] = {{7, 8, 9}, {10, 11, 12}};
    int product[3][3] = {{0, 0, 0}, {0, 0, 0}, {0, 0, 0}};

    for (int row = 0; row < rowA; row++)
    {
        for (int col = 0; col < colA; col++)
        {
            // Multiply the row of A by the column of B to get the row,
            column of product.
            for (int inner = 0; inner < rowB; inner++)
            {
                product[row][col] += aMatrix[row][inner] *
bMatrix[inner][col];
            }
            std::cout << product[row][col] << " ";
        }
        std::cout << "\n";
    }
    return 0;
}
```