```cpp
#include <iostream>

using namespace std;

int main()
{

    int ArrayA [4][3] = {{0,0,0},{0,0,0},{0,0,0},{0,0,0}};
    int ArrayB [3][4] = {{0,0,0,0},{0,0,0,0},{0,0,0,0}};
    int Result [4][4] = {{0,0,0,0},{0,0,0,0,},{0,0,0,0,},{0,0,0,0}};
//-------------Get Elements Of array A--------------------------
    cout<<"Set Elements Of Array A"<<endl;
    for (int i=0; i<4 ; i++)
    {
        for(int j=0; j<3 ; j++)
        {
            cout<<"Row ("<<j+1<<") of Column ("<<i+1<<") ==>";
            cin>>ArrayA[i][j];
        }
        cout<<endl;
    }
//-------------Get Elements Of array B--------------------------
    cout<<"Set Elements Of Array B"<<endl;
    for (int i=0; i<3 ; i++)
    {
        for(int j=0; j<4 ; j++)
        {
            cout<<"Row ("<<j+1<<") of Column ("<<i+1<<")  ==>";
            cin>>ArrayB[i][j];
        }
        cout<<endl;
    }
//-----------Display Of ArrayA-----------------------
    cout<<"--------------Array A--------------------"<<endl;
    for (int i=0; i<4 ; i++)
    {
        for(int j=0; j<3; j++)
        {
            cout<<ArrayA[i][j]<<"\t";
        }
        cout <<  endl;
    }
//-----------Show elements of ArrayB-----------------------
    cout<<"--------------Array B--------------------"<<endl;
    for (int i=0; i<3 ; i++)
    {
        for(int j=0; j<4 ; j++)
        {
```

```
            cout<<ArrayB[i][j]<<"\t";
        }
        cout <<  endl;
    }
//-----------ArrayA * ArrayB-------------------------
    for(int i=0; i<4; i++)
    {
        for(int j=0; j<4; j++)
        {
            for(int k=0; k<3; k++)
            {
                Result[i][j] = Result[i][j] + ArrayA[i][k] *
ArrayB[k][j];
            }
        }
    }

//-----------Show elements of Result-------------------------
    cout<<"---------------Result--------------------"<<endl;
    for (int i=0; i<4 ; i++)
    {
        for(int j=0; j<4 ; j++)
            cout<<Result[i][j]<<"\t";

        cout <<  endl;
    }

    return 0;
}
```

Console

```
Set Elements Of Array A
Row (1) of Column (1) ==>1
Row (2) of Column (1) ==>2
Row (3) of Column (1) ==>4

Row (1) of Column (2) ==>5
Row (2) of Column (2) ==>6
Row (3) of Column (2) ==>7

Row (1) of Column (3) ==>8
Row (2) of Column (3) ==>4
Row (3) of Column (3) ==>5

Row (1) of Column (4) ==>31
Row (2) of Column (4) ==>2
Row (3) of Column (4) ==>6

Set Elements Of Array B
Row (1) of Column (1)  ==>4
Row (2) of Column (1)  ==>5
Row (3) of Column (1)  ==>8
Row (4) of Column (1)  ==>9

Row (1) of Column (2)  ==>12
Row (2) of Column (2)  ==>1
Row (3) of Column (2)  ==>2
Row (4) of Column (2)  ==>3

Row (1) of Column (3)  ==>0
Row (2) of Column (3)  ==>1
Row (3) of Column (3)  ==>2
Row (4) of Column (3)  ==>3
```

```
---------------Array A----------------------
1       2       4
5       6       7
8       4       5
31      2       6
----------------Array B----------------------
4       5       8       9
12      1       2       3
0       1       2       3
----------------Result-----------------------
28      11      20      27
92      38      66      84
80      49      82      99
148     163     264     303

Process finished with exit code 0
```