```cpp
#include<iostream>

#include<fstream>

using namespace std;

int main()

{

    const int M1_ROWS = 2, M1_COLS = 3, M2_ROWS = 3, M2_COLS = 2;

    ifstream fin;

    ifstream gin;

    int a[M1_ROWS][M1_COLS], b[M2_ROWS][M2_COLS], c[M1_ROWS][M2_COLS]={};

    cout << "matrix1.txt" << endl;

    fin.open("matrix1.txt");

    if(fin.fail())

    {

        cout << "file does not exist" << endl;

        exit(1);

    }

    while(!(fin.eof()))

    {

        int i,j;

        for(i=0;i<M1_ROWS;i++)

        {

            for(j=0;j<M1_COLS;j++)

            {

                fin >> a[i][j];

                cout << a[i][j] << " ";

            }

            cout << endl;
```

```cpp
      }

    break;

  }

  fin.close();

  cout << "matrix2.txt" << endl;

  gin.open("matrix2.txt");

  if(gin.fail())

  {

    cout << "file does not exist" << endl;

    exit(1);

  }

  while(!(gin.eof()))

  {

    int i,j;

    for(i=0;i<M2_ROWS;i++)

    {

      for(j=0;j<M2_COLS;j++)

      {

        gin >> b[i][j];

        cout << b[i][j] << " ";

      }

      cout << endl;

    }

    break;

  }

  gin.close();

  if (M1_COLS == M2_ROWS)
```

```cpp
{
    int i,j,k;

    for (i=0;i<M1_ROWS;i++)
    {
        for (j=0;j<M2_COLS;j++)
        {
            for(k=0;k<M2_ROWS;k++)
            {
                c[i][j] += a[i][k] * b[k][j];
            }
        }
    }

    cout << "The product of two matrix is: " << endl;
    for(int i=0;i<M1_ROWS;i++)
    {
        for(int j=0;j<M2_COLS;j++)
        {
            cout<<c[i][j]<<" ";
        }

        cout<<endl;
    }
}
else
{
```

```cpp
        cout << "matrix multiplication not possible since M1_ROWS not equal to M2_COLS \n";

    }

    return 0;

}
```