1. code

#include <iostream>

#include <cstdlib>

using namespace std;

int \*\*Multiply(int \*\*m1, int \*\*m2, int n){

int \*\*result = new int\*[n];

for (int i = 0; i < n; i++)

{

result[i] = new int(0);

}

for (int i = 0; i < n; i++)

{

for (int j = 0; j < n; j++)

{

for (int k = 0; k < n; k++)

{

result[i][j] += m1[i][k] \* m2[k][j];

}

}

}

return result;

}

int main(int argc, char \*argv[]){

int n = atoi(argv[1]);

int \*\*m1 = new int\*[n];

int \*\*m2 = new int\*[n];

for (int i = 0; i < n; i++)

{

m1[i] = new int[n];

m2[i] = new int[n];

for (int j = 0; j < n; j++)

{

m1[i][j] = rand() % 100 + 1;

m2[i][j] = rand() % 100 + 1;

}

}

int \*\*result;

result = Multiply(m1,m2,n);

cout << "The result is : " << endl;

for (int i = 0; i < n; i++)

{

for (int j = 0; j < n; j++)

{

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

}

cout << endl;

}

for (int i = 0; i < n; i++)

{

delete[] result[i];

delete[] m1[i];

delete[] m2[i];

}

delete[] result;

delete[] m1;

delete[] m2;

return 0;

}