程式碼

#include <stdio.h>

#include <stdlib.h>

int main()

{

int num1[3][3] = {{2, 5, 6}, {8, 5, 4}, {3, 8, 6}};

int num2[3][3] = {{56, 8, 9}, {76, 55, 2}, {6, 2, 4}};

int result[3][3] = {0}; // Initializing the result matrix with 0

int i = 0, j = 0, k = 0;

for (i = 0; i < 3; i++) //control the rows of the result matrix

{

for (j = 0; j < 3; j++) //control the columns of the result matrix

{

for (k = 0; k < 3; k++)

result[i][j] += num1[i][k] \* num2[k][j]; // Multiplying the two matrices

} //inner-for

for (j = 0; j < 3; j++)

printf("%d ", result[i][j]); // Printing the result matrix

printf("\n");

} //for

system("pause");

return 0;

}

執行畫面

