Practical 07

#include <stdio.h>

int main()

{

// Declare two 3x3 square matrices

int matrix1[3][3]

{

{3, 2, 4},

{2, 6, 3},

{5, 8, 7}

}

int matrix2[3][3] = {

{1, 4, 6},

{4, 3, 2},

{5, 7, 8}

}

// Calculate the matrix sum and store it in a new matrix

int matrixSum[3][3];

for (int i = 0; i < 3; i++) {

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

matrixSum[i][j] = matrix1[i][j] + matrix2[i][j];

}

}

// Display the matrix sum

printf("Matrix Sum:\n");

for (int i = 0; i < 3; i++) {

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

printf("%d ", matrixSum[i][j]);

}

printf("\n");

}

return 0;

}