Matrix Subtraction in c

#include <stdio.h>

int main() {

int matrix1[2][2] = {{1, 2}, {3, 4}};

int matrix2[2][2] = {{5, 6}, {7, 8}};

int difference[2][2];

// Perform matrix subtraction

for (int i = 0; i < 2; i++) {

for (int j = 0; j < 2; j++) {

difference[i][j] = matrix1[i][j] - matrix2[i][j];

}

}

// Print the resulting matrix

printf("The difference of the two matrices is:\n");

for (int i = 0; i < 2; i++) {

for (int j = 0; j < 2; j++) {

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

}

printf("\n");

}

return 0;

}

