```
#include <stdio.h>

// Function to add two matrices
void addMatrices(int mat1[][2], int mat2[][2], int result[][2], int rows, int cols) {
    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
            result[i][j] = mat1[i][j] + mat2[i][j];
        }
    }
}

// Function to print a matrix
void printMatrix(int mat[][2], int rows, int cols) {
    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
            printf("%d ", mat[i][j]);
        }
        printf("\n");
    }
}

int main() {
    int mat1[2][2] = {{1, 2}, {5, 3}};
    int mat2[2][2] = {{2, 3}, {4, 1}};
    int mat_sum[2][2];

    // Perform matrix addition
    addMatrices(mat1, mat2, mat_sum, 2, 2);

    // Print the result
    printf("Mat Sum =\n");
```

```
    printMatrix(mat_sum, 2, 2);


    return 0;
}
```