```c
#include <stdio.h>

#define ROWS 2
#define COLS 2

void multiplyMatrices(int mat1[ROWS][COLS], int mat2[ROWS][COLS], int result[ROWS][COLS]) {
    for (int i = 0; i < ROWS; i++) {
        for (int j = 0; j < COLS; j++) {
            result[i][j] = 0; // Initialize result matrix cell to 0
            for (int k = 0; k < COLS; k++) {
                result[i][j] += mat1[i][k] * mat2[k][j]; // Perform matrix multiplication
            }
        }
    }
}

void printMatrix(int mat[ROWS][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[ROWS][COLS] = {{1, 2}, {5, 3}};
    int mat2[ROWS][COLS] = {{2, 3}, {4, 1}};
    int mat_product[ROWS][COLS];

    multiplyMatrices(mat1, mat2, mat_product);
```

```
    printf("Mat Product =\n");
    printMatrix(mat_product);

    return 0;
}
```