

PRACTICLE 07

```
#include <stdio.h>

#define ROWS 3
#define COLS 3

void matrixSum(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] = mat1[i][j] + mat2[i][j];
        }
    }
}

void displayMatrix(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 matrix1[ROWS][COLS] = {  
    {3, 2, 4},  
    {2, 6, 3},  
    {5, 8, 7}  
};
```

```
int matrix2[ROWS][COLS] = {  
    {1, 4, 6},  
    {4, 3, 2},  
    {5, 7, 8}  
};
```

```
int sumMatrix[ROWS][COLS];
```

```
matrixSum(matrix1, matrix2, sumMatrix);
```

```
printf("Matrix 1:\n");  
displayMatrix(matrix1);
```

```
printf("\nMatrix 2:\n");  
displayMatrix(matrix2);
```

```
printf("\nMatrix Sum:\n");  
displayMatrix(sumMatrix);
```

```
    return 0;  
}
```