```
/*
 Exp : 7 (Task 2)
 Title : WAP to calculate sum of two Matrix
 Name : Ayan Nadaf
 UIN : 241P019
 Branch: Computer Engineering
 Div : C-1
*/
#include <stdio.h>
int main() {
 int rows, cols, i, j;
 printf("Enter the number of rows and columns of the matrices: ");
 scanf("%d %d", &rows, &cols);
 int mat1[rows][cols], mat2[rows][cols], sum[rows][cols];
 printf("Enter elements of the first matrix:\n");
 for (i = 0; i < rows; i++) {
 for (j = 0; j < cols; j++) {
 scanf("%d", &mat1[i][j]);
 }
 }
 printf("Enter elements of the second matrix:\n");
 for (i = 0; i < rows; i++) {
 for (j = 0; j < cols; j++) {
 scanf("%d", &mat2[i][j]);
 }
 }
 for (i = 0; i < rows; i++) {
 for (j = 0; j < cols; j++) {
 sum[i][j] = mat1[i][j] + mat2[i][j];
 }
 }
 printf("The sum of the two matrices is:\n");
 for (i = 0; i < rows; i++) {
 for (j = 0; j < cols; j++) {
 printf("%d ", sum[i][j]);
 }
 printf("\n");
 }
 return 0;
}
/*
 ****OUTPUT:****
Enter the number of rows and columns of the matrices: 2
2
Enter elements of the first matrix:
3
5
7
6
Enter elements of the second matrix:
5
3
1
4
The sum of the two matrices is:
8 8
8 10
*/
```