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/*
Exp : 7 (Task 2)
Title : WAP to calculate sum of two Matrix
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*/
#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
*/

```