```c
#include <stdio.h>

int main() {
    int rows, cols;

    // Input size of matrices
    printf("Enter number of rows: ");
    scanf("%d", &rows);
    printf("Enter number of columns: ");
    scanf("%d", &cols);

    int matrix1[100][100], matrix2[100][100], sum[100][100];

    // Input elements of first matrix
    printf("Enter elements of the first matrix:\n");
    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
            printf("Element [%d][%d]: ", i, j);
            scanf("%d", &matrix1[i][j]);
        }
    }

    // Input elements of second matrix
    printf("Enter elements of the second matrix:\n");
    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
            printf("Element [%d][%d]: ", i, j);
            scanf("%d", &matrix2[i][j]);
```

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    }
}

// Perform matrix addition
for (int i = 0; i < rows; i++) {
    for (int j = 0; j < cols; j++) {
        sum[i][j] = matrix1[i][j] + matrix2[i][j];
    }
}

// Print the result
printf("\nSum of the two matrices:\n");
for (int i = 0; i < rows; i++) {
    for (int j = 0; j < cols; j++) {
        printf("%d\t", sum[i][j]);
    }
    printf("\n");
}

return 0;
```

```
Enter number of rows: 2
Enter number of columns: 3
Enter elements of the first matrix:
Element [0][0]: 1
Element [0][1]: 5
Element [0][2]: 3
Element [1][0]: 8
Element [1][1]: 6
Element [1][2]: 2
Enter elements of the second matrix:
Element [0][0]: 1
Element [0][1]: 5
Element [0][2]: 4
Element [1][0]: 3
Element [1][1]: 9
Element [1][2]: 2

Sum of the two matrices:
2   10  7
11  15  4
```