

```
1 #include <stdio.h>
2 int main() {
3     int r, c, a[100][100], b[100][100], sum[100][100], i, j;
4     printf("Enter the number of rows (between 1 and 100): \n");
5     scanf("%d", &r);
6     printf("Enter the number of columns (between 1 and 100): ");
7     scanf("%d", &c);
8
9     printf("\nEnter elements of 1st matrix:\n");
10    for (i = 0; i < r; ++i)
11        for (j = 0; j < c; ++j) {
12            scanf("%d", &a[i][j]);
13        }
14
15    printf("Enter elements of 2nd matrix:\n");
16    for (i = 0; i < r; ++i)
17        for (j = 0; j < c; ++j) {
18            scanf("%d", &b[i][j]);
19        }
20
21    for (i = 0; i < r; ++i)
22        for (j = 0; j < c; ++j) {
23            sum[i][j] = a[i][j] + b[i][j];
24        }
25
26    printf("\nSum of two matrices: \n");
27    for (i = 0; i < r; ++i)
28        for (j = 0; j < c; ++j) {
29            printf("%d ", sum[i][j]);
30            if (j == c - 1) {
31                printf("\n");
32            }
33        }
34
35    return 0;
36 }
```

Custom Input

```
2
3
1 2 3
2 3 4
2 3 4
1 3 4
```

Status Successfully executed **Date** 2021-06-28 04:34:13 **Time** 0 sec **Mem** 9.424 kB



Input

```
2
3
1 2 3
2 3 4
2 3 4
1 3 4
```

Output

```
Enter elements of 1st matrix:
Enter elements of 2nd matrix:
```

```
Sum of two matrices:
```

```
3  5  7
3  6  8
```