

```
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): ");
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            printf("Enter element a%d%d: ", i + 1, j + 1);
13            scanf("%d", &a[i][j]);
14        }
15
16    printf("Enter elements of 2nd matrix:\n");
17    for (i = 0; i < r; ++i)
18        for (j = 0; j < c; ++j) {
19            printf("Enter element b%d%d: ", i + 1, j + 1);
20            scanf("%d", &b[i][j]);
21        }
22
23    for (i = 0; i < r; ++i)
24        for (j = 0; j < c; ++j) {
25            sum[i][j] = a[i][j] + b[i][j];
26        }
27
28    printf("\nSum of two matrices: \n");
29    for (i = 0; i < r; ++i)
30        for (j = 0; j < c; ++j) {
31            printf("%d ", sum[i][j]);
32            if (j == c - 1) {
33                printf("\n");
34            }
35        }
36    }
37    return 0;
38 }
```

start pause continue step over step into step out help

Reading symbols from a.out...
(gdb) run
Starting program: /home/a.out
Enter the number of rows (between 1 and 100): 2
Enter the number of columns (between 1 and 100): 2

Enter elements of 1st matrix:
Enter element a11: 1
Enter element a12: 2
Enter element a21: 3
Enter element a22: 4
Enter elements of 2nd matrix:
Enter element b11: 2
Enter element b12: 1
Enter element b21: 4
Enter element b22: 3

Sum of two matrices:
3 3


7 7

[Inferior 1 (process 728) exited normally]
(gdb)

```
main.c
1 #include <stdio.h>
2 int power(int n1, int n2);
3 int main() {
4     int base, a, result;
5     printf("Enter base number: ");
6     scanf("%d", &base);
7     printf("Enter power number(positive integer): ");
8     scanf("%d", &a);
9     result = power(base, a);
10    printf("%d^%d = %d", base, a, result);
11    return 0;
12 }
13
14 int power(int base, int a) {
15     if (a != 0)
16         return (base * power(base, a - 1));
17     else
18         return 1;
19 }
20
```

```
input
Enter base number: 3
Enter power number(positive integer): 2
3^2 = 9

...Program finished with exit code 0
Press ENTER to exit console.
```

The image shows a Windows taskbar at the bottom of the console window. It contains several application icons: a search icon, a task view icon, a Microsoft Edge icon, a File Explorer icon, a Discord icon, a Telegram icon, a Firefox icon, a Visual Studio Code icon, a settings icon, a Windows logo, a weather icon showing 20°C, a network icon, a volume icon, and a system clock showing 09:58 on 11-01-2022.