

```
1 #include<stdio.h>
2 int main(){
3     int a[2][2], b[2][2], c[2][2], i, j;
4     int m1, m2, m3, m4, m5, m6, m7;
5
6     printf("Enter the 4 elements of first matrix: ");
7     for(i = 0; i < 2; i++)
8         for(j = 0; j < 2; j++)
9             scanf("%d", &a[i][j]);
10
11     printf("Enter the 4 elements of second matrix: ");
12     for(i = 0; i < 2; i++)
13         for(j = 0; j < 2; j++)
14             scanf("%d", &b[i][j]);
15
16     printf("\nThe first matrix is\n");
17     for(i = 0; i < 2; i++){
18         printf("\n");
19         for(j = 0; j < 2; j++)
20             printf("%d\t", a[i][j]);
21     }
22 }
```

C:\Users\DELL\Documents\Untitled11.cpp - [Executing] - Embarcadero Dev-C++ 6.3

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TDM-GCC 9.2.0 64-bit Release

C:\Users\DELL\Documents\Untitled11.exe

Project C
Enter the 4 elements of first matrix: 1 1 1 1
Enter the 4 elements of second matrix: 1 1 1 1

The first matrix is

```
1      1
1      1
```

The second matrix is

```
1      1
1      1
```

After multiplication using Strassen's algorithm

```
2      2
2      2
```

Process exited after 8.876 seconds with return value 0
Press any key to continue . . .

Compiler (

Abort Comp

- Output Size: 353.861328125 KiB
- Compilation Time: 0.27s

Shorten compiler patl