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Online C Compiler - Programiz

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main.c

```
1 #include <stdio.h>
2
3 int main() {
4     int a[2][2] = {{1, 2}, {3, 4}};
5     int b[2][2] = {{5, 6}, {7, 8}};
6     int result[2][2] = {0};
7
8     for (int i = 0; i < 2; i++) {
9         for (int j = 0; j < 2; j++) {
10            for (int k = 0; k < 2; k++) {
11                result[i][j] += a[i][k] * b[k][j];
12            }
13        }
14    }
15
16    printf("Result of multiplication:\n");
17    for (int i = 0; i < 2; i++) {
18        for (int j = 0; j < 2; j++) {
19            printf("%d ", result[i][j]);
20        }
21        printf("\n");
22    }
23
24    return 0;
25 }
```

Run

Output

Result of multiplication:

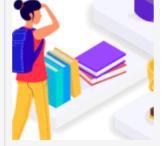
19 22
43 50

== Code Execution Successful ==

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