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C Online Compiler

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main.c

1#include <stdio.h>

2

3int main() {

4int a[2][2] = {{1, 2}, {3, 4}};

5int b[2][2] = {{5, 6}, {7, 8}};

6int result[2][2] = {0};

7

8for (int i = 0; i < 2; i++) {

9for (int j = 0; j < 2; j++) {

10for (int k = 0; k < 2; k++) {

11result[i][j] += a[i][k] * b[k][j];

12}

13}

14}

15

16printf("Result of multiplication:\n");

17for (int i = 0; i < 2; i++) {

18for (int j = 0; j < 2; j++) {

19printf("%d ", result[i][j]);

20}

21printf("\n");

22}

23

24return 0;

25}

26

27

28

Run

Share

Output

Clear

Result of multiplication:

19 22

43 50

=== Code Execution Successful ===

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10/16/2025