

This is a Sample Run for The Two matrices Multiplication in The language C

```
Enter the number of rows and columns of first matrix
2
3
Enter the elements of first matrix
1
2
3
4
5
6
Enter the number of rows and columns of second matrix
3
2
Enter the elements of second matrix
9
8
7
6
5
4
Product of entered matrices:-
38    32
101   86

Process returned 0 (0x0)   execution time : 39.643 s
Press any key to continue.
```

This is a Sample Run for The Two matrices Multiplication in

java

```
2 //This Program is considered as product of Two Matrices
3 import java.io.*;
4
5 class GFG {
6
7     static int a = 4;
8
9     // This function used to multiply Matrix 1 and Matrix 2 and store it in the
10    // Final Matrix
11
12    static void multiply(int mat1[][], int mat2[][], int res[][]){
13        int i;
14        int j;
15        int k;
16        for (i = 0; i < a; i++) {
17            for (j = 0; j < a; j++) {
18                res[i][j] = 0;
19                for (k = 0; k < a; k++)
20                    res[i][j] += mat1[i][k] * mat2[k][j];
21            }
22        }
23    }
24 }
```

PROBLEMS 16 OUTPUT TERMINAL DEBUG CONSOLE

Result matrix is

10 10 10 10

20 20 20 20

30 30 30 30