

```

1: /*---Matrix Multiplication---*/
2:
3: #include<iostream>
4: using namespace std;
5:
6: int main()
7: {
8:     int n;
9:     cout << "Enter the dimension of your matrix:\n";
10:    cin >> n;
11:
12:    int Multi[n][n], M1[n][n], M2[n][n];
13:    cout << "Enter first matrix:\n";
14:    for(int i = 0; i < n; i++)
15:    {
16:        for(int j = 0; j < n; j++)
17:        {
18:            cin >> M1[i][j];
19:        }
20:    }
21:
22:    cout << "Enter second matrix:\n";
23:    for(int i = 0; i < n; i++)
24:    {
25:        for(int j = 0; j < n; j++)
26:        {
27:            cin >> M2[i][j];
28:        }
29:    }
30:
31:    for(int i = 0; i < n; i++)
32:    {
33:        for(int j = 0; j < n; j++)
34:        {
35:            Multi[i][j] = 0;
36:            for(int k = 0; k < n; k++)
37:            {
38:                Multi[i][j] += M1[i][k] * M2[k][j];
39:            }
40:        }
41:    }
42:
43:    cout << "Multiplication is: \n";
44:    for(int i = 0; i < n; i++)
45:    {
46:        for(int j = 0; j < n; j++)

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47:         {
48:             cout << Multi[i][j] << " ";
49:         }
50:         cout << endl;
51:
52:     }
53:
54:     return 0;
55: }
```