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1:  /*---Matrix Addition---*/
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 add[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:             add[i][j] = M1[i][j] + M2[i][j];
36:         }
37:     }
38:
39:     cout << "Addition is: \n";
40:     for(int i = 0; i < n; i++)
41:     {
42:         for(int j = 0; j < n; j++)
43:         {
44:             cout << add[i][j] << " ";
45:         }
46:         cout << endl;

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47:
48:     }
49:
50:     return 0;
51: }
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