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C program to find sum of principal and secondary diagonal elements

Algorithm

1. Start
2. Input m, n, order.
3. if (m==n)
   enter co-efficients
   for (i=0; i<m; i++)
   for (j=0; j<n; j++)
4. array [i][j].
5. for(i=0; i<m; i++)
6. for(j=0; j<n; j++)
7. print "\n"
8. for(i=0; i<m; i++)
   sum= sum+ array[i][j]
   a= a+ array[i][m-i-1]
9. Output principle diagonal sum
   secondary diagonal sum
10. else
    output not a square matrix
11. Stop.

Flowchart