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4AL19IS002
'G' Section

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][i]
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 principal diagonal Sum,
   secondary diagonal Sum.
10. else
    Output not a Square matrix
11. Stop.

flowchart