

C program to implement sum of principal diagonal & secondary diagonal elements.

Algorithm -

Step 1: Start

Step 2: Input matrix, psum = 0

Step 3: for $i = 0$ to $i < m-1, i++$
for $j = 0$ to $j < n-1, j++$
if $(i == j)$ then
psum = psum + a[i][j]

Step 4: ssum = 0

Step 5: $i = 0$

for $j = n-1$ to $j >= 0$
ssum = ssum + a[i][j]
 $i++$

Step 6: Display psum, and ssum

Step 7: Stop

Flowchart -

