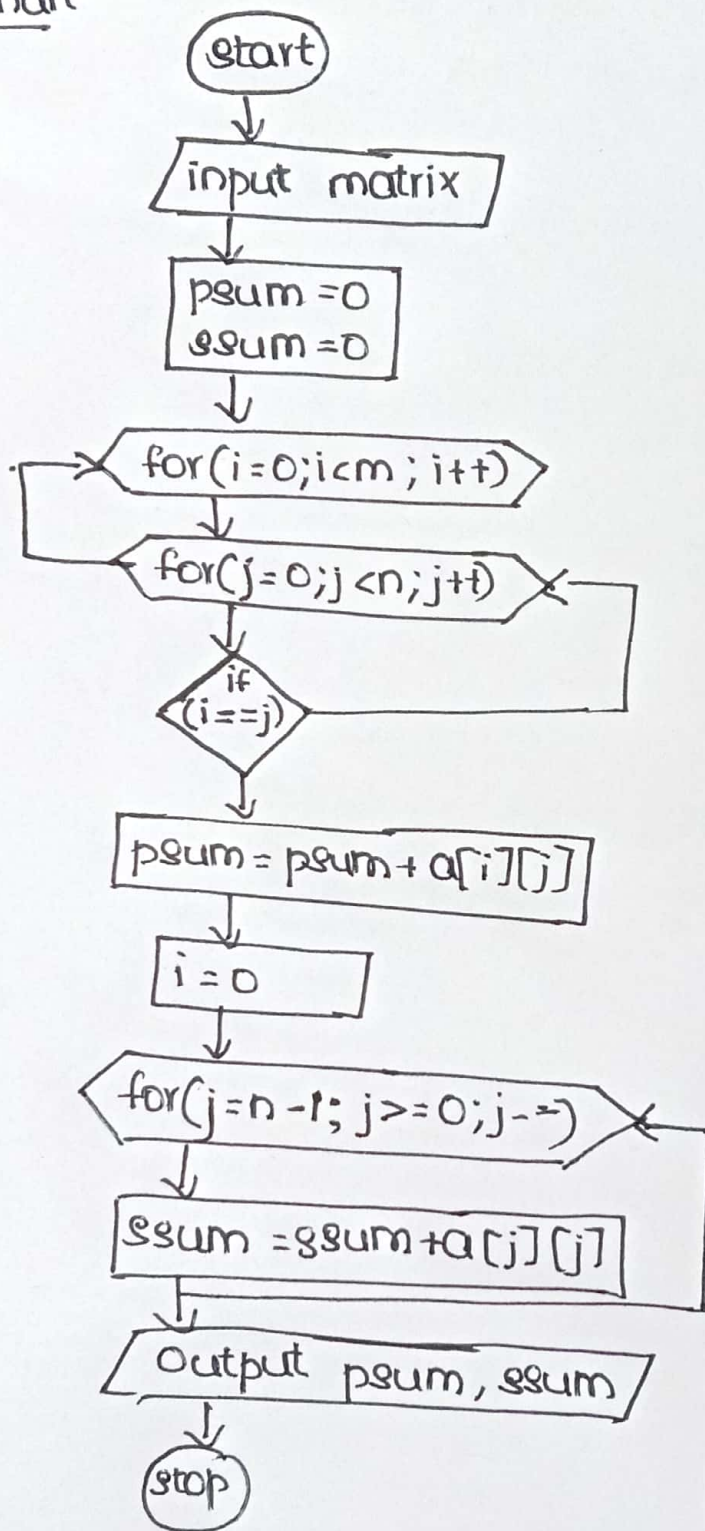


Write a C program to implement sum of principal & secondary diagonal element.

→ Flowchart



Algorithm

step1 : start

step2 : Input matrix,  
psum = 0

step3 : for  $i = 0$  to  $i < m - 1$   
 $i++$

~~step4~~ for  $j = 0$  to  $j < n - 1$   
 $j++$

if  $(i == j)$  then  
psum = psum + a[i][j]

step4 : ssum = 0

step5 :  $i = 0$

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

step6 : Output psum & ssum

step7 : stop.