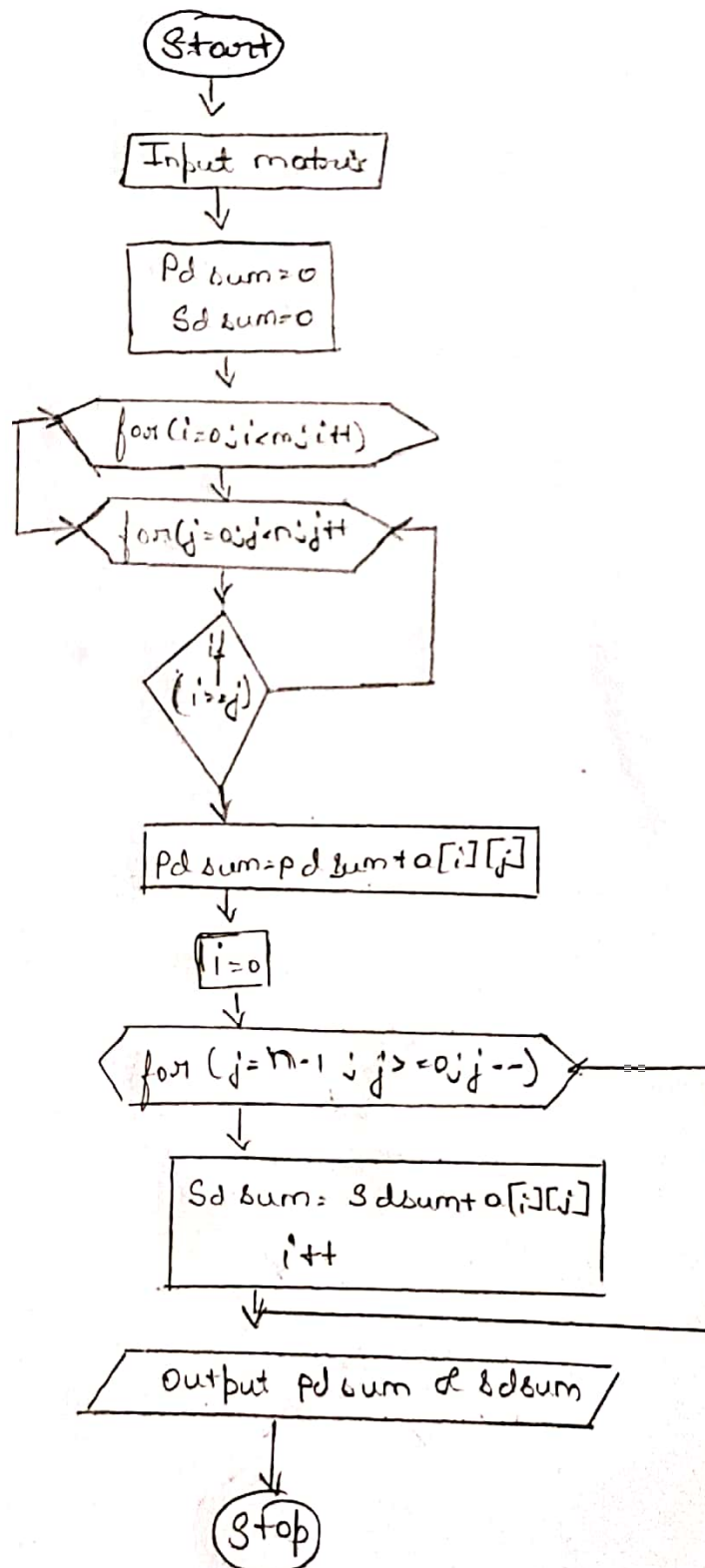


1. write a c program to implement sum of principal diagonal and secondary diagonal elements

Flowchart



Algorithm

Step 1:- Start

Step 2:- Input matrix, $pdsum = 0$

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

Step 4:- $sdsum = 0$

Step 5:- $i = 0$
for $j = n - 1$ to $j = 0$
 $sdsum = sdsum + a[i][j]$
 $i++$

Step 6:- Output $pdsum$ & $sdsum$

Step 7:- Stop