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C program do implemend sum of principle diagonal axis secondary diagonal element

Algorithm

Step 1: Start

Step 2: a=0, Sum=0

Step 3: ender order of madrix

read m, n

Step 4: if (m==n) // If false godo step 4.5

Print "ender the co-efficient of madrix"

for (i=0; i<n; i++)

{

for (j=0; j<n; j++)

read array [i] [j]

}

4.1: Printf "the given madrix"

output madrix element a[i][j]

4.2: for (i=0; i<m; i++)

{

Sum = sum + array [i][j]

a = a + array [j][m-i-1]

}

4.3. Print sum of main diagonal

Print sum

4.4 Print sum of all diagonal

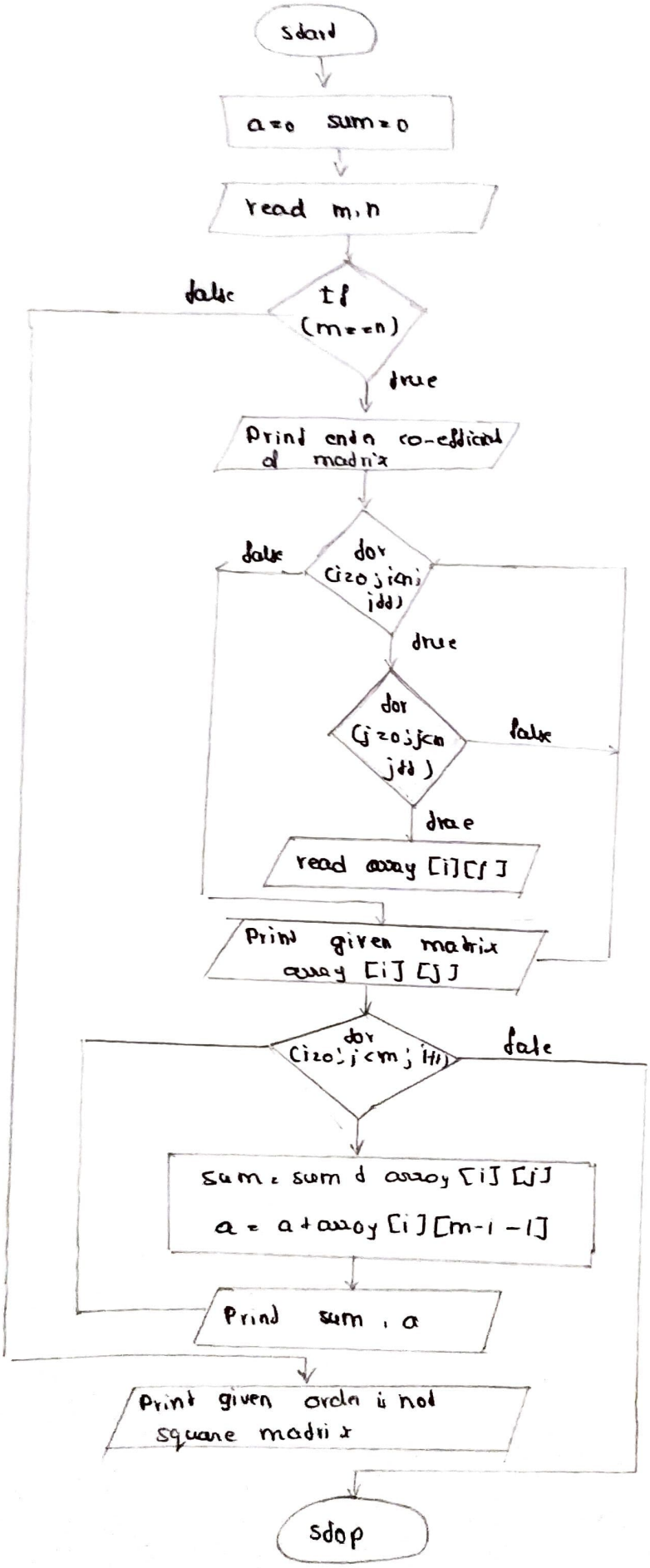
Print a

4.5 else

Print the given order is not square madrix

Step 5. stop.

Algorithm:


start
a=0 sum=0
read m,n
if (m==n)
false
true
Print enter co-efficient of matrix
for (i=0;i<m; i++)
false
true
for (j=0;j<m j++)
false
true
read array[i][j]
Print given matrix array[i][j]
for (i=0;i<m; i++)
false
sum = sum + array[i][j]
a = a + array[i][m-1-i]
Print sum , a
Print given order is not square matrix
stop