

***GAYATHRI***

***4AL19CS035***

## Algorithm

Step 1: Start

Step 2: input  $m, n$

Step 3: Display Enter the matrix

for ( $i=0; i < m; i++$ )

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

input  $a[i][j]$

Step 4: for ( $i=0; i < m; i++$ )

~~r~~sum = 0

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

rsum = rsum +  $a[i][j]$

Display Sum of the  $i$ -th row &  
output rsum

Step 5: for ( $j=0; j < n; j++$ )

csum = 0

for ( $i=0; i < m; i++$ )

csum = csum +  $a[i][j]$

Display Sum of  $j$ -th column &  
output csum

Step 6: Stop

# Flowchart

