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Program to implement sum of each row and column in a matrix

### Algorithm

1. Start
2. Input  $n$
3. Repeat through

#### Step 3

for  $i=0; i < n; i++$

3.1 for  $j=0; j < n; j++$

Input  $a[i][j]$

4. Repeat through step 4

for  $i=0; i < n; i++$

4.1 for  $j=0; j < n; j++$

print  $a[i][j]$

4.2 Print "\n"

5 for  $i=0; i < n; i++$

5.1  $r\_sum = 0$

5.2 Repeat through Step 5.1

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

$r\_sum += a[i][j]$

5.3 print

$r\_sum$

6. for  $i=0; i < n; i++$

6.1  $c\_sum = 0$

6.2 for  $j=0; j < n; j++$

$c\_sum += a[j][i]$

6.3 print  $c\_sum$

# Flowchart

