

## \* Row and column sum \*

### ◦ Algorithm

Step 1 : Start

Step 2 : Read rows and cols

Step 3 : For  $i = 0$  to  $\text{rows} - 1$  and  
           $j = 0$  to  $\text{cols} - 1$   
          Read  $a[i][j]$

Step 4 : For  $i = 0$  to  $\text{rows} - 1$   
           $\text{sum\_row} = 0$

          for  $j = 0$  to  $\text{cols} - 1$   
           $\text{sum\_row} = \text{sum\_row} + a[j][i]$

          Print  $i + 1$  and  $\text{sum\_row}$

Step 5 : For  $i = 0$  to  $\text{cols} - 1$   
           $\text{sum\_cols} = 0$   
          {

          for  $j = 0$  to  $\text{rows} - 1$   
           $\text{sum\_cols} = \text{sum\_cols} + a[j][i]$

          Print  $i + 1$  and  $\text{sum\_cols}$ .

Step 6 : Stop

• Flowchart •

