

To find row sum & column sum.

Date

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Algorithm

Step 1. Start

Step 2. Input m, n

Step 3. Initialize $sum = 0$

Step 4. Enter the coefficients of the matrix

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

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

4.3 read array $[i][j]$

4.4 repeat 4.1, 4.2 until the condition becomes false.

Step 5. for ($i = 0$; $i < m$; $i++$)

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

5.2 $sum = sum + array[i][j]$

5.3 repeat 5.1 & 5.2 until the condition becomes false

5.4 print row sum

5.5 $sum = 0$

5.6 repeat 5 until condition becomes false

5.7 $sum = 0$

Step 6. for ($j = 0$; $j < n$; $j++$)

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

6.2 $sum = sum + array[i][j]$

6.3 repeat 6.1 & 6.2 until becomes false

6.4 print column sum, $sum = 0$

6.5 repeat 6 until condition becomes false.

Step 7. Stop

Start

Enter coefficient of matrix

time

false

u

False

print	row	sum
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$$\text{Sum} = 0$$

Walse

True

True

print column sum

$$\sum m = 0$$

stop