

* Transpose of Matrix *

• Algorithm

Step 1 : Start.

Step 2 : Read rows and cols

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

Step 4 : To print given matrix
Repeat for $i = 0$ to $\text{row} - 1$

For $j = 0$ to $\text{cols} - 1$
Print $a[i][j]$

Step 5 : To print transpose of matrix
Repeat for $i = 0$ to $\text{cols} - 1$

For $j = 0$ to $\text{rows} - 1$
Print $a[j][i]$

Step 6 : Stop

• Flowchart

