

To implement transpose of a matrix

Algorithm:

Step 1. Start

Step 2. Display Enter the number of rows N (cols)

Step 3. Input R & C

Step 4. Display enter array elements.

4.1 Repeat for ($i=0; i < R; i++$) until condition

4.1.1 Repeat for ($j=0; j < C; j++$) until condition ^{becomes} ^{false} becomes false.

4.1.1.1 Input $a[i][j]$.

Step 5. Display elements of the matrix are

5.1 Repeat for ($i=0; i < R; i++$) until condition becomes false

5.1.1 Repeat for ($j=0; j < C; j++$) until condition becomes false

5.1.1.1 print the output of $a[i][j]$.

Step 6. Display transpose of the matrix is

6.1 Repeat for ($i=0; i < R; i++$) until condition becomes false

6.1.1 Repeat for ($j=0; j < C; j++$) condition becomes false

6.1.1.1 print the output of $a[i][j]$

Step 7. Stop.

Flowchart:

