

<https://pachalprogrammingacademy.github.io/course-problem-deck/#/problem/6017ae571963fe0015390f85>

Matrix Transpose

25 POINTS

Given a matrix A of order (m, n) . Write a program to find the transpose of the given matrix.

Input format:

First line of input contains two space separated integers denoting the value of m and n respectively.

Next m lines each contains n space separated integers denoting the elements of the matrix A .

Output format:

n lines each containing m space separated integers denoting the transposed matrix.

Constraints:

(i) $1 \leq m, n \leq 50$

Test Case - 1

```
4 3
4 9 0
5 8 8
8 2 5
2 5 4
4 5 8 2
9 8 2 5
0 8 5 4
```

Test Case - 2

```
4 4
2 7 5 5
9 1 7 7
2 3 7 2
8 9 7 3
2 9 2 8
7 1 3 9
5 7 7 7
5 7 2 3
```

Problem tags:

THE COMPLETE C COURSE

EASY

ARRAY

MATRIX