

<https://course.acciojob.com/idle?question=dddfc300-2739-4bd4-bf5e-c4e8a24f73d8>

**MEDIUM**

Max Score: 30 Points

## Rotate a Matrix by 90 Degree

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You are given a  $n \times n$  2-D matrix representing an image, rotate the image by 90 degrees (clockwise).

**Input Format**

The first line will contain two integers  $n$  and  $n$  again.

The next  $n$  lines contain  $n$  integers each representing the matrix.

## Output Format

Print a matrix that is rotated by 90 degrees in the clockwise direction.

### Example 1

Input

```
2 2
1 2
2 3
```

Output

```
2 1
3 2
```

Explanation

We do a 90 degree clockwise rotation of the matrix.

### Example 2

Input

```
3 3
7 2 3
2 3 4
5 6 1
```

Output

```
5 2 7
6 3 2
1 4 3
```

Explanation

We do a 90 degree clockwise rotation of the matrix.

## Constraints

$1 \leq n \leq 100$

### Topic Tags

Basics

2D-Arrays

# My code

// in java

```
import java.util.*;
```

```
import java.lang.*;
```

```
import java.io.*;
```

```
public class Main
```

```
{
```

```
    public static void main (String[] args) throws  
java.lang.Exception
```

```
    {
```

```
        //your code here
```

```
        Scanner s=new Scanner(System.in);
```

```
        int n=s.nextInt();
```

```
        int m=s.nextInt();
```

```
        int arr[][]=new int[n][m];
```

```
        int ar[][]=new int[m][n];
```

```
for(int i=0;i<n;i++)
    for(int j=0;j<m;j++)
        arr[i][j]=s.nextInt();
for(int i=0;i<n;i++)
    for(int j=0;j<m;j++)
        ar[j][n-i-1]= arr[i][j];
for(int i=0;i<m;i++){
    for(int j=0;j<n;j++)
        System.out.print(ar[i][j]+" ");
    System.out.print("\n");
}
}
```