

# Pointer\_Level2\_005

Given a 2D matrix, print all elements of the given matrix in diagonal order. For example, consider the following 5 X 4 input matrix.

```
1  2  3  4
5  6  7  8
9 10 11 12
```

13 14 15 16

17 18 19 20

Diagonal printing of the above matrix is

1 5 2 9 6 3 13 10 7 4 17 14 11 8 18 15 12 19 16 20

## Input Format

Input contains rowCount, columnCount and the values

## Constraints

Dynamic memory allocation

## Output Format

Print the values

## Sample Input 0

```
5 4
1 2 3 4
5 6 7 8
9 10 11 12
13 14 15 16
17 18 19 20
```

## Sample Output 0

```
1
5 2
9 6 3
13 10 7 4
17 14 11 8
18 15 12
19 16
20
```