69 : 59 : 16 Finish test

Learn how your code will be evaluated (https://helpcenter.mymapit.in/?ht_kb=things-to-know-before-attempting-the-test) | Utility codes for quick start (https://helpcenter.mymapit.in/?page_id=871)

Question No. 6 **of** 36 || 50 Marks

C (gcc 4.8.3)

Compile & Run O/P »

Print the Anti-Diagonal

Chaitanya has a N*N matrix. He wants to print the j^{th} anti-diagonal. j^{th} anti-diagonal means a diagonal which starts from the $(0,j)^{th}$ cell and goes in the left-diagonal direction.

Given an N*N square matrix, Print all elements of j^{th} anti-diagonal separated by space in a single line. Look at the example for more details.

Input:

The first line contains two integers N and j.

Input onwards the second line contains a matrix of size N*N.

Constraints:

0<=j<N

Output:

Print all elements of j^{th} anti-diagonal separated by space in a single line.

Note: During output printing, there is a space between elements and there is no space before the first element.

Sample Input

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

Sample Output

```c
#include<stdio.h>

int main(){

    // input
    int n,jth;
    scanf("%d%d",&n,&jth);

    int i,j;
    int matrix[n][n];
    for(i=0; i < n; i++){
        for(j=0; j < n; j++){
            scanf("%d", &matrix[i][j]);
        }
    }

    // algo
    int col = jth;
    int row;
    for(row=0; row<=jth; row++){
        printf("%d ",matrix[row][col]);
        col--;
    }
}
```

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