Print matrix in snake pattern from the last column

Given a matrix of 2-Dimensional array of n rows and n columns. Print this matrix in snake fashion starting from column n-1 as shown in the figure below.

matrix_traversal_snake

**Examples:**

**Input :** mat[][] =

1 2 3

4 5 6

7 8 9

**Output:** 3 2 1 4 5 6 9 8 7

**Input:** mat[][] =

1 2 3 4

5 6 7 8

9 10 11 12

13 14 15 16

**Output:** 4 3 2 1 5 6 7 8 12 11 10 9 13 14 15 16

Program:

**import** java.util.\*;

**public** **class** Snake\_Pattern\_Matrix {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Scanner sc=**new** Scanner(System.***in***);

**int** a[][]=**new** **int**[100][100];

System.***out***.println("Enter the row size:");

**int** row=sc.nextInt();

System.***out***.println("Enter the column size:");

**int** col=sc.nextInt();

System.***out***.println("Enter the matrix:");

**for**(**int** i=0;i<row;i++)

{

**for**(**int** j=0;j<col;j++)

a[i][j]=sc.nextInt();

}

**for**(**int** i=0;i<row;i++)

{

**if**(i%2==0)

{

**for**(**int** j=col-1;j>=0;j--)

System.***out***.print(a[i][j]+" ");

}

**else**

{

**for**(**int** j=0;j<col;j++)

System.***out***.print(a[i][j]+" ");

}

}

}

}

Output:

Enter the row size:

3

Enter the column size:

3

Enter the matrix:

1

2

3

4

5

6

7

8

9

3 2 1 4 5 6 9 8 7