Rotate Image

You are given an n x n 2D matrix representing an image, rotate the image by 90 degrees (clockwise).

You have to rotate the image in-place, which means you have to modify the input 2D matrix directly. DO NOT allocate another 2D matrix and do the rotation.

**Input:** matrix = [[1,2,3],[4,5,6],[7,8,9]]  
Output: [[7,4,1],[8,5,2],[9,6,3]]

class Solution {  
 void swap(int matrix[][],int i,int j){  
int temp=matrix[i][j];  
matrix[i][j]=matrix[j][i];  
matrix[j][i]=temp;  
 }  
 public void rotate(int[][] matrix) {  
 int n=matrix.length;  
 for(int i=0;i<n;i++){  
 for(int j=i+1;j<n;j++){  
swap(matrix,i,j);  
 }  
 }  
   
  
 for(int i=0;i<n;i++){  
 int a=0;  
 int b=n-1;  
 while(a<b){  
 int temp=matrix[i][a];  
 matrix[i][a]=matrix[i][b];  
 matrix[i][b]=temp;  
 a+=1;  
 b-=1;  
 }  
 }  
   
 }  
}