import java.util.Arrays;

public class TransposeMatrix {

public static int[][] transpose(int[][] matrix) {

int row = matrix.length, col = matrix[0].length;

//Put your code here

int[][] temp = new int[col][row];

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

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

temp[j][i] = matrix[i][j];

}

}

return temp;

}

public static void main(String[] args) {

System.out.println("Test your code here!\n");

// Get a result of your code

int[][] matrix = {

{1, 2},

{7, -13} };

int[][] result = transpose(matrix);

System.out.println(Arrays.deepToString(result).replace("],", "]\n"));

}

}