A program needs to be developed which can mirror reflect any $5 \times 5$ 2D character array into its side-by-side reflection. Write suitable code to achieve this transformation as shown below:

**INPUT:**

| OOXOO | OOXOO |
| OOXOO | OXXOO |
| OOOOO | OOOOO |
| XOABC | CBAOX |

**OUTPUT:**

| OOXOO | OOXOO |
| OOXOO | OXXOO |
| OOOOO | OOOOO |

**Note the following points carefully:**
1. Here, instead of X and O any character may be present.
2. The input and output array size must be of dimension $5 \times 5$ and nothing else.
3. Only side-by-side reflection should be performed i.e. ABC || CBA.

**Sample Test Cases**

<table>
<thead>
<tr>
<th>Test Case 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
</tr>
<tr>
<td>XOOOX</td>
</tr>
<tr>
<td>OXOXO</td>
</tr>
<tr>
<td>OOOOX</td>
</tr>
<tr>
<td>OOOOO</td>
</tr>
<tr>
<td>XOXXX</td>
</tr>
</tbody>
</table>
The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.
Sample solutions (Provided by instructor)

```java
import java.util.Scanner;

public class Question94{

    public static void main(String args[]){
        Scanner sc = new Scanner(System.in);
        // Declaring 5x5 2D char array to store input
        char original[][] = new char[5][5];
        // Declaring 5x5 2D char array to store reflection
        char reflection[][] = new char[5][5];
        // Input 2D Array using Scanner Class
        for(int line=0; line<5; line++){
            String input = sc.nextLine();
            char seq[] = input.toCharArray();
            if(seq.length==5){
                for(int i=0; i<5; i++){
                    original[line][i]=seq[i];
                }
            }
        }
        // Performing the reflection operation
        for(int i=0; i<5; i++){
            for(int j=0; j<5; j++){
                reflection[i][j]=original[i][4-j];
            }
        }
        // Output the 2D Reflection Array
        for(int i=0; i<5; i++){
            for(int j=0; j<5; j++){
                System.out.print(reflection[i][j]);
            }
            System.out.println();
        }
    }
}
```

The main() method ends here
The main class ends here