

```
import java.util.Arrays;

public class LatinSquare {

    public static void main(String[] args) {

        int[][] square = new int[9][9];
        createLatin(square);
        displayLatin(square);

    }

    public static void createLatin(int[][] square) {
        int hold = 1;
        for (int r = 0; r < square.length; r++) {
            for (int c = 0; c < square[0].length; c++) {
                square[r][c] = hold % square.length;
                if (square[r][c] == 0) {
                    square[r][c] = square.length;
                }
                hold++;
            }
            hold++;
        }
    }

    public static void displayLatin(int[][] square) {
        for (int r = 0; r < square.length; r++) {
            for (int c = 0; c < square.length; c++) {
                System.out.print(square[r][c] + " ");
            }
            System.out.println();
        }
    }

}
```