

```
import java.util.Scanner;

public class LatinSquare {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Please enter the size of the square");
        int n = sc.nextInt();

        for(int i = 0; i <n; i++){
            for(int k = i; k<n+i; k++){
                System.out.print((k%n+1)+" ");
            }
            System.out.print("\n");
        }
    }
}
```