In-class Practice - Array2dShift

Create class **Array2dShift**.

Array2dShift should contain only one method:

shiftArray, which should accept a single parameter that is a reference to a two-dimensional array of **int**'s, and return nothing. **shiftArray** should shift each row one slot to the left, rotating the item at index zero to the end of the row. The image below shows the operation.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15

2	3	4	5	1
7	8	9	10	6
12	13	14	15	11

shiftArray should write nothing to standard output. Be sure to add Javadoc comments for both the file and the method.

Use **Array2dShiftMain.java** (in Eclipse, just put it in the same Java project as your **Array2dShift.java**). If you run **Array2dShiftMain.java** you should get the following output if your method works correctly:

```
Before SHIFT
[[1, 2, 3, 4, 5], [6, 7, 8, 9, 10], [11, 12, 13, 14, 15]]

After SHIFT
[[2, 3, 4, 5, 1], [7, 8, 9, 10, 6], [12, 13, 14, 15, 11]]
```

If you compile and run **DrawArray2D.java**, with your **Array2dShift.java**, as shown below, you should see an image that slowly moves to the left.

```
MYPROMPT> javac DrawArray2D.java

MYPROMPT> java DrawArray2D
width=750 height=420

MYPROMPT> java DrawArray2D "file:dino.png"
width=256 height=256
```

Uses default image

Uses local file dino.png

After you feel your program is correct, further test your program, by obtaining **AutoGrade.jar** from this assignment. Put it and a copy of your **Array2dShift.java** in the same directory. Then run it as shown in the example below.

When your program works correctly, submit it.

```
MYPROMPT> java -cp AutoGrade.jar;. AutoGrade2 Array2dShift
Compilation is successful
Checking method shiftArray(array) with 4 rows and 10 columns
Method shiftArray(array) works correctly.
Score: 100%
```