

COS126 StdDraw Activity - Exercise 1.5.18

- Complete the program CheckerBoard.java

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1 /*****
2 * Compilation: javac-introcs CheckerBoard.java
3 * Execution: java-introcs CheckerBoard N
4 * Dependencies: StdDraw.java
5 *
6 * Plots an NxN red and black checkerboard.
7 * Lower left square is red. (Ex. 1.5.18)
8 *****/
9
10 public class CheckerBoard {
11
12     public static void main(String[] args) {
13         // declaration and initialization - How big?
14         int N = -----
15         StdDraw.setXscale(0, N);
16         StdDraw.setYscale(0, N);
17
18         // Draw from lower left, up and across
19         // i is the index for the x value. j is the index for y.
20         for (int i = 0; i < N; i++) {
21             for (int j = 0; -----; -----) {
22                 if ( ((i+j) % 2) ----- )
23                     StdDraw.setPenColor(StdDraw.BLACK);
24                 else StdDraw.----- (StdDraw.-----);
25                 StdDraw.filledSquare(-----, -----, 0.5);
26             }
27         }
28
29         StdDraw.show();
30     }
31 }
```

- Recommended Exercises 1.5.21, 1.5.22