```
1⊕ /*

2 * AP(r) Computer Science GridWorld Case Study:

3 * Copyright(c) 2005-2006 Cay S. Horstmann (http://horstmann.com)
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 11
     * @author Chris Nevison

* @author Barbara Cloud Wells

* @author Cay Horstmann

*/
 14
 15
 17
 18
 19@ import info.gridworld.actor.Actor;
 20 import info.gridworld.actor.Critter;
21 import info.gridworld.grid.Location;
 23 import java.util.ArrayList;
 26 * A <code>ChameleonCritter</code> takes on the color of neighboring actors as
27 * it moves through the grid. <br/>
28 * The implementation of this class is testable on the AP CS A and AB exams.
 29
 30 public class ChameleonCritter extends Critter
31 {
 329
            * Randomly selects a neighbor and changes this critter's color to be the * same as that neighbor's. If there are no neighbors, no action is taken.
 33
 34
 35
           public void processActors(ArrayList<Actor> actors)
▲36⊖
 37
                int n = actors.size();
 39
                      if (n == 0)
 40
                              return;
 41
                      int r = (int) (Math.random() * n);
 42
43
                       Actor other = actors.get(r);
 44
                      setColor(other.getColor());
 45
              }
 46
 479
                * Turns towards the new location as it moves.
 48
49
$50⊖
               public void makeMove(Location loc)
51
 52
                       setDirection(getLocation().getDirectionToward(loc));
 53
                       super.makeMove(loc);
 54
               }
 55 }
 56
```