## Cooney

Cooney - a game which has you guess a word rule based on your input.

Authors: Rudd FawcettProgram: Cooney.java

• **Due:** 11/05/2015

## java Cooney

```
ch08 — #1
[mbpro:ch08 ruddfawcett$ java Cooney
Try to figure out what Cooney likes:
Cooney likes MOON but he doesn't like SUN
Cooney likes SOCCER but he doesn't like HOCKEY
Cooney likes SUMMER but he doesn't like SPRING
Does Cooney like: grapes
No, Cooney doesn't like GRAPES
Does Cooney like: pears
No, Cooney doesn't like PEARS
Does Cooney like: apples
Yes, Cooney likes APPLES
Does Cooney like: pineapple
Yes, Cooney likes PINEAPPLE
Does Cooney like: raspberries
Yes, Cooney likes RASPBERRIES
Does Cooney like: strawberries
Yes, Cooney likes STRAWBERRIES
Does Cooney like: kiwi
No, Cooney doesn't like KIWI
Does Cooney like: apples
Yes, Cooney likes APPLES
Does Cooney like: pineapple
Yes, Cooney likes PINEAPPLE
Does Cooney like: raspberries
Yes, Cooney likes RASPBERRIES
Does Cooney like: strawberries
Yes, Cooney likes STRAWBERRIES
Does Cooney like: blueberries
Yes, Cooney likes BLUEBERRIES
I think you got the rule... I quit!
Thaanks forr pplaying!
mbpro:ch08 ruddfawcett$
```

```
/**
* Cooney
 * Cooney is a game which has you guess a word rule based on your input.
* @author Rudd Fawcett
* @course Period 1 AP CS, Dr. Miles
 * @due
            2015-11-05
import java.util.Scanner;
* Class declaration of Cooney.
public class Cooney {-
private static int counter;
 private static Scanner keyboard;
 /**
** * Starts the game.
 public static void run() {
 counter = 0;
 System.out.println("Try to figure out what Cooney likes:\n");
   System.out.println("Cooney likes MOON but he doesn't like SUN");
  System.out.println("Cooney likes SOCCER but he doesn't like HOCKEY");
System.out.println("Cooney likes SUMMER but he doesn't like SPRING\n");
    keyboard = new Scanner(System.in);
 process();
 }
  /**
 * * Stops the game, and closes the scanner.
  public static void stop() {
    keyboard.close();
 - }-
 * * Handles looping and stops the game if rule is figured out.
 public static void process() {-
  while (counter < 5) {</pre>
     ask();
. . . . }-
 System.out.println("\nI think you got the rule... I quit!");
  System.out.println("Thaanks forr pplaying!");
```

```
stop();
54
56 - /**
      * Asks the user for input, and prints out the formatted result.
      public static void ask() {-
    System.out.print("Does Cooney like: ");
    String input = keyboard.nextLine();
    String formatted = formattedRule(input);
     System.out.println(formatted);
    --}-
67 - /**
      \cdot\cdot st Formats a string based on whether or not the word obeys the rule.
     * * @param input The word that the user inputted as an answer.
                     The formatted string based on the word's validity.
    ···* @return
72 - public static String formattedRule(String input) {
73 v · · · if (obeysRule(input)) {-
    return "Yes, Cooney likes " + input.toUpperCase() + "\n";
    }-
76 v · · · else {-
    return "No, Cooney doesn't like " + input.toUpperCase() + "\n";
    --}-
81 - /**
     ** Returns whether or not a word is valid.
     * * @param word The user inputted word.
    * * @return The word's validity.
86 - public static boolean obeysRule(String word) {-
87 \sim for (int i = 0; i < word.length() - 1; i++) {
88 v · · · · if (word.charAt(i) == word.charAt(i + 1)) {
    counter++;
    return true;
     }
    · · · · }¬
    counter = 0;
    return false;
      }-
98 - public static void main(String[] args) {
    run();
      }
    }-
```