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1 /**
2  * Entry-point of the application
3  * Also serves as a tester for {@code BabyNamesDatabase}
4  *
5  * @author Silas Agnew
6  * @version November 9, 2017
7  */
8
9 import java.util.ArrayList;
10
11 public class BabyTest
12 {
13     public static void main(String[] args)
14     {
15         BabyNamesDatabase db = new BabyNamesDatabase();
16         db.readBabyNameData("testCSV.csv");
17         //db.printNames();
18
19         assert (db.countAllNames() == 7)
20             : "Db only supposed to have 7 entries, has: " + db.countAllNames();
21         assert (db.mostPopularBoy(1999).getName().equalsIgnoreCase("Silas"))
22             : "Most popular boy in 1999 is Silas, not: " +
23             db.mostPopularBoy(1999).getName();
24         assert (db.countAllGirls() == 2)
25             : "Supposed to be 2 girls, there are " + db.countAllGirls();
26         assert (db.countAllBoys() == 5)
27             : "Supposed to be 5 boys, there are " + db.countAllBoys();
28         ArrayList<BabyName> list;
29         assert ((list = db.searchForYear(1999)).size() == 2)
30             : "Result count for 1999 supposed to be 2, not " + list.size();
31         assert (db.countAllBoys() == 1434276447)
32             : "Boy count totals to 1434276447, not " + db.countAllBoys();
33     }
34 }
35
```