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CS 206
Professor Cooper
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Assignment IV

TITLE: Searching US Town and State

Short Description:

This program reads the file from "Xinyue_A4_data.txt" using `java.util.Scanner`, parse the data and stores it into an `ArrayList` of `Place` objects. In this main program, it first reads the data and prints out the number of entries. Later, it uses `System.in` method of the `Scanner` class to ask user for a valid formatted town and the state it is in, search and compare them inside the `ArrayList placeArrayList` and then prints out all the related information to the Console Window.

More Detailed Description:

I didn't encountered many problems with this project but I was confused by the format of user input and the count of comparison. Since I split the user input by comma, the program threw `ArrayIndexOutOfBoundsException` when I first tested some input without comma. So I add a try catch block and solved this first problem. Later, I didn't know whether I should count each query as one comparison or count the comparison of town and state separately, that is two times the query compared. I plan to ask professor before class and make sure I understand the requirement correctly.

Overall, I think this project is comparably easy, but it is a good practice for `ArrayList`.