**Review Lab 1:**

Class **City** has three variables: name, state (of type **String**) and population (of type **int**).

The class **must** implement Comparable interface. The default order rule is to compare states first, then the city names.

It has the three-variable constructor

**public City(String n, String s, int p) {**

**name = n;**

**state = s;**

**population = p;**

**}**

Define all three getters and the setter for field population.

Additionally, implement **equals** and **compareTo** methods as follows:

**public int compareTo(City ct) {**

**int temp = state.compareTo(ct.state);**

**if (temp != 0) return temp;**

**else return name.compareTo(ct.name);**

**}**

**public boolean equals(Object obj) {**

**City ct = (City) obj;**

**return this.compareTo(ct) == 0;**

**}**

You need also implement **toString** method to provide a meaningful description of a city of known name, state and population.