

Problem : 1

Create your own Customer class. A Customer has a firstName, lastName, socSecurityNum (which you can represent as a String), also it has billingAddress and a shippingAddress(which you can represent as a type of Address. Initialize billingAddress and shippingAddress through its setter from Customer class.

Create a constructor for your Customer class to initialize firstName, lastName and socSecurityNum. Create getter, and setter methods for all five attributes.

Create an Address class with the attributes such as street, city, state and zip(which you can represent as a String). Create a constructor to initialize fields of Address class.

Your Customer class should have a toString() method that provides a string representation of the customer. A typical toString() output would be "[Joe, Smith, ssn: 332-221-4444]". **Just copy this code in your Customer class.**

```
public String toString() {  
  
    return "[" + firstName + ", " + lastName + ", " + "ssn: " + socSecurityNum  
    + "];"  
  
}
```

In the main method of a Main class, create three instances of Customer (be sure to create instances of Address to populate their billingAddress and shippingAddress fields using setters). Add these instances to an array. Then loop through the array and print to the console all those Customers whose billingAddress is located in the city of Chicago (when you create instances of Customer initially, be sure to create at least one Customer whose billing address is in Chicago).

Reference: see objectdemo package from the Democode from [\CS5](#) or Saka