ICS 372 Object-Oriented Design and Implementation
Class Exercise 2
Solution to Questions 9 and 28
For answers to the other questions, please see the corresponding quiz on D2L.

Question 9

```
import java.io.Serializable;
public class Account implements Serializable {
       // code same as in question: not shown
}

import java.io.Serializable;
import java.util.Iterator;
import java.util.LinkedList;
import java.util.List;

public class AccountList implements Iterable, Serializable {
       // code same as in question: not shown
}

import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.Iterator;
public class AccountsDriver {
       public static void main(String[] args) throws Exception {
             AccountList myCollection = new AccountList();
             FileOutputStream file = new FileOutputStream("accounts");
             ObjectOutputStream output = new ObjectOutputStream(file);
             output.writeObject(myCollection);
             output.close();
             file.close();
             FileInputStream file2 = new FileInputStream("accounts");
             ObjectInputStream input2 = new ObjectInputStream(file2);
             AccountList collection2 = (AccountList) input2.readObject();
             input2.close();
             file2.close();
             for (Iterator iterator = collection2.iterator(); iterator.hasNext();) {
                   System.out.println(iterator.next());
             }
       }
}
```

Question 28

```
import java.util.Iterator;
import java.util.LinkedList;
import java.util.List;

public class MyList<T> implements Iterable<T> {
       private List<T> myStuff = new LinkedList<T>();
```

```
    public void add(T object) {
        myStuff.add(object);
    }

    @Override
    public Iterator<T> iterator() {
        return myStuff.iterator();
    }
}
```