```
001  import java.util.ArrayList;
002
003  public class BankComputer {
004
005      private int bankID = 9;
006      private String bankName ="";
007
008      private ArrayList<Account> accounts = new ArrayList<Account>();
009
010      public static int numberOfBanks = 0;
011
012      BankComputer(String newBankName){
013
014          bankName = newBankName;
015
016          numberOfBanks++;
017
018          this.bankID+= numberOfBanks;
019
020      }
021
022      public void addAcctToBank(Account newAccount){
023
024          this.accounts.add(newAccount);
025
026      }
027
028      public int getBankID(){ return bankID; }
029
030      // Verifies that a card with the strip number is in a bank
031
032      public Boolean verifyTheStripNumber(Card theCard){
033
034          Boolean cardVerification = false;
035
036          for(Account account : accounts){
037
038              if(account.getStripNumber() == theCard.getStripNumber()){
039
040                  cardVerification = true;
041
042              }
043
044          }
045
046          return cardVerification;
047
048      }
049
050      // Verifies that a card with the strip number and PIN is in a bank
051
052      public Boolean verifyThePIN(Transaction theTransaction){
053
054          Boolean cardVerification = false;
055
056          if(theTransaction.getDidCardVerify()){
```

```
057
058                     for(Account account : accounts){
059
060                         if((account.getPIN() == theTransaction.getPIN()) &&
        (account.getStripNumber() == theTransaction.getStripNumber())){
061
062                         cardVerification = true;
063
064                         theTransaction.setCustomerName(account.getCustomerName());
065
066                         }
067
068                     }
069
070             }
071
072             return cardVerification;
073
074     }
075
076     public void requestWithdrawalAmt(Transaction theTransaction){
077
078             for(Account account : accounts){
079
080                 if(account.getAcctNumber() ==
        theTransaction.getAccountNumberUsed()){
081
082                     if(account.getAcctBalance() >=
        theTransaction.getWithdrawalAmt()){
083
084                         double newAcctBalance = account.getAcctBalance() -
        theTransaction.getWithdrawalAmt();
085
086                         account.setAcctBalance(newAcctBalance);
087
088                         theTransaction.setAcctBalance(newAcctBalance);
089
090                     } else {
091
092                         System.out.println("You can't withdrawal that much
        money");
093
094                     }
095
096                 }
097
098             }
099
100     }
101
102
103
104 }
```