

```
01 import java.util.ArrayList;
02
03 public class BankNetwork {
04
05     private ArrayList<BankComputer> banksInDatabase = new
    ArrayList<BankComputer>();
06
07     public void addBankToNetwork(BankComputer newBank){
08
09         this.banksInDatabase.add(newBank);
10
11     }
12
13     public boolean isATMCardsBankInNetwork(Card theCard){
14
15         Boolean cardVerification = false;
16
17         int cardBankID = getFirstTwoDigits(theCard.getStripNumber());
18
19         for(BankComputer bank : banksInDatabase){
20
21             if(bank.getBankID() == cardBankID){
22
23                 cardVerification = true;
24
25             }
26
27         }
28
29         return cardVerification;
30
31     }
32
33     // Returns the first 2 digits from the number passed to it
34
35     static int getFirstTwoDigits(int stripNumber){
36
37         String stringOfStripNumber = Integer.toString(stripNumber);
38
39         // Get the first 2 numbers from the stripNumber and save them as an
    int
40
41         int bankIDFromStrip =
    Integer.parseInt(stringOfStripNumber.substring(0, 2));
42
43         return bankIDFromStrip;
44
45     }
46
47     public boolean verifyThePIN(Transaction theTransaction){
48
49         boolean cardVerification = false;
50
51         if(theTransaction.getDidCardVerify()){
52
53             for(BankComputer bank : banksInDatabase){
```

```
54
55         if(bank.getBankID() == theTransaction.getBankID()){
56
57             bank.verifyThePIN(theTransaction);
58
59             cardVerification = true;
60
61         } else {
62
63             System.out.println("The card Bank ID doesn't match any
in the system");
64
65         }
66     }
67 }
68 }
69
70     return cardVerification;
71 }
72 }
73
74 public void requestWithdrawalAmt(Transaction theTransaction){
75
76     if(theTransaction.getDidCardVerify()){
77
78         for(BankComputer bank : banksInDatabase){
79
80             if(bank.getBankID() == theTransaction.getBankID()){
81
82                 bank.requestWithdrawalAmt(theTransaction);
83
84             }
85
86         }
87
88     } else {
89
90         System.out.println("An Error Occurred During the Withdrawal");
91
92     }
93
94 }
95 }
96
97 }
```