

```
1 package P1;
2 import java.util.Scanner;
3
4
5 public class Application {
6     Account allAccount[] = new Account[1000];
7     int noOfAccount = 0;
8     Scanner sc = new Scanner(System.in);
9     Scanner scStr = new Scanner(System.in);
10    Scanner lo = new Scanner(System.in);
11
12    public static void main(String[] args) {
13        // TODO Auto-generated method stub
14        Application app = new Application();
15        while (true) {
16            System.out.println("-----app menu-----");
17            System.out.println("1. Enter user Details to submit :");
18            System.out.println("2. Enter Deposit Amount :");
19            System.out.println("3. Enter Withdrawal Amount :");
20            System.out.println("4. All user Details :");
21            System.out.println("5. User Contact Details :");
22            System.out.println("6. KYC Document Details :");
23            System.out.println("7. Your Balance :");
24            System.out.println("8. Enter changed Mobile number :");
25            System.out.println("9. Enter Changed Email Id :");
26            System.out.println("0. -----Exit-----");
27            switch (app.sc.nextInt()) {
28                case 1:
29                    app.submitUserDetails();
30                    break;
31                case 2:
32                    app.doDepositOperation();
33                    break;
34                case 3:
35                    app.doWithdrawalOperation();
36                    break;
37                case 4:
38                    app.printUserAllDetails();
39                    break;
40                case 5:
41                    app.printUserContactDetails();
42                    break;
43                case 6:
44                    app.printUserKYCDocumentDetails();
45                    break;
46                case 7:
47                    app.printBalance();
48                    break;
49                case 8:
50                    app.changeMobileNumber();
51                    break;
52                case 9:
53                    app.changeEmailId();
54                    break;
55                case 0:
56                    System.exit(0);
57                    break;
58            }
59        } // end of switch
60    }
```

```
61         } // end of while
62
63     } // end of main
64
65     public void submitUserDetails() {
66
67         Random ran = new Random();
68         long accountNumber = ran.nextLong();
69         System.out.print("Enter User Name: ");
70         String userName = scStr.nextLine();
71         System.out.print("Enter Password: ");
72         String password = scStr.nextLine();
73         System.out.print("Enter Balance: ");
74         int balance = sc.nextInt();
75         System.out.print("Enter Pan Number: ");
76         String panNumber = scStr.nextLine();
77         System.out.print("Enter Aadhar Number: ");
78         long aadharNumber = lo.nextLong();
79         System.out.print("Enter Document Type: ");
80         String documentType = scStr.nextLine();
81         System.out.print("Enter Document Number: ");
82         String documentNumber = scStr.nextLine();
83         System.out.print("Enter House Number: ");
84         String houseNumber = scStr.nextLine();
85         System.out.print("Enter Locality: ");
86         String localityName = scStr.nextLine();
87         System.out.print("Enter City: ");
88         String cityName = scStr.nextLine();
89         System.out.print("Enter State: ");
90         String stateName = scStr.nextLine();
91         System.out.print("Enter Country: ");
92         String countryName = scStr.nextLine();
93         System.out.print("Enter Pin Code: ");
94         long pinCode = lo.nextLong();
95         System.out.print("Enter Mobile Number: ");
96         long mobileNumber = lo.nextLong();
97         System.out.print("Enter Email id: ");
98         String emailId = scStr.nextLine();
99
100         allAccount[noOfAccount++] = new Account(accountNumber, userName, password,
101             balance);
102         KycVerification kyc = new KycVerification(panNumber, aadharNumber,
103             documentType, documentNumber);
104         ContactDetails cd = new ContactDetails(houseNumber, cityName, stateName,
105             localityName, countryName, pinCode, mobileNumber,
106             emailId);
107         Account ac = new Account(accountNumber, userName, password, balance);
108         ac.setContactDetails(cd);
109         ac.setKycDetails(kyc);
110         ac.setAccountNumber(accountNumber);
111         ac.setBalance(balance);
112         ac.setUserName(userName);
113         ac.getCashback();
114         ac.setPassword(password);
115
116         allAccount[noOfAccount++] = ac;
117         System.out.println(" " + ac);
118         System.out.println(" Added in the List ");
119     }
```

```
117     }
118
119     private void doDepositOperation() {
120
121         System.out.println("Enter account number : ");
122         int enteredNumber = sc.nextInt();
123
124         System.out.println(" Enter Amount to be deposite :-  ");
125         int amount = sc.nextInt();
126
127         Account enteredAccount = null;
128         boolean foundEnteredAccount = false;
129
130         for (int i = 0; i < noOfAccount; i++) {
131             Account a = allAccount[i];
132             if (a.getAccountNumber() == enteredNumber) {
133                 enteredAccount = a;
134                 foundEnteredAccount = true;
135             }
136             if (foundEnteredAccount) {
137                 enteredAccount.setBalance(enteredAccount.getBalance() + amount);
138             }
139         }
140
141         System.out.println(" Deposit Done ");
142         System.out.println(" Check Balance ");
143         System.out.println(enteredAccount.getAccountNumber() + " - " +
144             enteredAccount.getBalance());
145     }
146
147     public Account getAllDetail(long searchAcNumber) {
148         for (long i = 0; i < noOfAccount; i++) {
149             Account ac = allAccount[(int) i];
150
151             boolean isFound = (ac.getAccountNumber() == searchAcNumber) ? true :
152             false;
153
154             if (isFound) {
155                 return ac;
156             }
157         }
158         return null;
159     }
160
161     private void printUserAllDetails() {
162
163         System.out.print("Enter Searched Account Number  ");
164         long searchAcNumber = lo.nextLong();
165
166         Account ac = getAllDetail(searchAcNumber);
167         System.out.println("-----");
168         System.out.println(ac);
169         System.out.println("-----");
170     }
171
172     private void changeEmailId() {
173         System.out.println("Enter the Account Number");
```

```
174         long accNo = lo.nextLong();
175
176         Account ac = getAllDetail(accNo);
177
178         System.out.println(ac.getContactDetails());
179
180         System.out.println(" ---- Enter New Email Id ---- ");
181         String eID = scStr.nextLine();
182
183         ac.getContactDetails().setEmailId(eID);
184
185         System.out.println("-----");
186         System.out.println(" --->> Successful...! :- ");
187         System.out.println("your new Email Id-      " + ac.getContactDetails
188         ().getEmailId());
189
190         System.out.println("-----");
191     }
192
193     private void changeMobileNumber() {
194         System.out.print("Enter the Account Number");
195         long accNo = lo.nextLong();
196
197         Account ac = getAllDetail(accNo);
198
199         System.out.println(ac.getContactDetails());
200
201         System.out.print(" ---- Enter New Mobile Number ---- ");
202         long mobNo = lo.nextLong();
203
204         ac.getContactDetails().setMobilenumber(mobNo);
205         System.out.println("-----");
206         System.out.println(" --->> New Account after updation :- ");
207         System.out.println("your new Mobile No.-      " + ac.getContactDetails
208         ().getMobilenumber());
209         System.out.println("-----");
210     }
211
212     private void printBalance() {
213         System.out.println("Enter Account Number");
214         long accNo = lo.nextLong();
215
216         Account ac = getAllDetail(accNo);
217         System.out.println("-----");
218         System.out.println(ac.getBalance());
219         System.out.println("-----");
220     }
221
222     private void printUserKYCDocumentDetails() {
223         System.out.println("Enter Account Number");
224         long accNo = lo.nextLong();
225
226         Account ac = getAllDetail(accNo);
227         System.out.println("-----");
228         System.out.println(ac.getKycDetails());
229         System.out.println("-----");
230     }
```

```
231     }
232
233     private void printUserContactDetails() {
234         System.out.print("Enter the Account Number");
235         long accNo = lo.nextLong();
236
237         Account ac = getAllDetail(accNo);
238
239         System.out.println(ac.getContactDetails());
240
241     }
242
243     private void doWithdrawalOperation() {
244         System.out.println("Enter Account Number: ");
245         long accNo = lo.nextLong();
246         System.out.println("Enter amount for withdraw: ");
247         int amt = sc.nextInt();
248         Account eNo = null;
249         boolean enteredAccNo = false;
250         for (int i = 0; i < noOfAccount; i++) {
251             Account a = allAccount[i];
252             if (a.getAccountNumber() == accNo) {
253                 eNo = a;
254                 enteredAccNo = true;
255             }
256             if (enteredAccNo) {
257                 eNo.setBalance(eNo.getBalance() - amt);
258             }
259             System.out.println("Withdrawal is Done!...");
260             System.out.println("Check Balance");
261             System.out.println(eNo.getAccountNumber() + "-" + eNo.getBalance());
262         }
263
264     }
265
266 }
```