```java
package prathik;


import java.util.*;
class bankaccount{
    static  void register(){
        Scanner sc=new Scanner(System.in);
        System.out.println("---------------------------");
        System.out.println("Enter your name :");
        ATM.name=sc.nextLine();
        System.out.println("Enter username :");
        String user=sc.nextLine();
        System.out.println("Enter password :");
        String pass=sc.nextLine();
        System.out.println("Enter your Account number :");
        ATM.accnumber=sc.nextLine();
        System.out.println("REGISTRATION SUCCESSFULLY!");
        System.out.println("---------------------------");
        ATM.prompt();
        while(true){
            display(ATM.name);
            int choice=sc.nextInt();
            if(choice==1){
                login(user,pass);
                break;
            }
            else {
                if(choice==2){
                    System.exit(0);
                }
                else{
                    System.out.println("Bad value! Enter again!");
                }
            }
        }
    }
    static void display(String name){}
    static void login(String user,String pass){}
}
class transaction{
    static void withdraw(){
        Scanner sc=new Scanner(System.in);
        System.out.println("----------------");
        System.out.println("Enter amount to withdraw :");
        int wcash=sc.nextInt();
        if(wcash<=ATM.balance){
            ATM.balance=ATM.balance-wcash;
            ATM.history.add(Integer.toString(wcash));
            ATM.history.add("Withdraw");
            System.out.println("Amount Rs"+wcash+"/-withdraw successfully");
            System.out.println("---------------------------");
        }
        else{
            System.out.println("insufficient balance to withdraw the cash");
            System.out.println("---------------------------");
        }
        ATM.prompt();
```

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58      }
59      static void deposit(){
60          Scanner sc=new Scanner(System.in);
61          System.out.println("----------------");
62          System.out.print("Enter amount to deposit :");
63          int dcash=sc.nextInt();
64          ATM.updatebalance(dcash);
65          ATM.history.add(Integer.toString(dcash));
66          ATM.history.add("Deposit");
67          System.out.println("Amount Rs."+dcash+"/- deposit successful!");
68          System.out.println("----------------------------");
69          ATM.prompt();
70      }
71      static void transfer(){
72          Scanner sc=new Scanner(System.in);
73          System.out.println("Enter the receiving body:");
74          String s=sc.nextLine();
75          System.out.println("Enter the account number of the receiving body");
76          int num=sc.nextInt();
77          System.out.println("Enter the amount to be transferred :");
78          int tcash=sc.nextInt();
79          if(tcash<=ATM.balance){
80              ATM.balance=ATM.balance-tcash;
81              ATM.history.add(Integer.toString(tcash));
82              ATM.history.add("transferred");
83              System.out.println("Amount Rs."+tcash+"/- transferred successfully");
84              System.out.println("----------------------------");
85          }
86          else{
87              System.out.println("insufficient balance to transfer the cash");
88              System.out.println("----------------------------");
89          }
90      }
91  }
92  class check{
93      static void checkbalance(){
94          System.out.println("------------------");
95          System.out.println("The available balance in the bank account :");
96          ATM.showbalance();
97          System.out.println("----------------------------");
98          ATM.prompt();
99      }
100 }
101 class his{
102     static void transactionhistory(){
103             System.out.println("----------------------");
104             System.out.println("Transaction History :");
105             int k=0;
106             if(ATM.balance>0){
107             for(int i=0;i<(ATM.history.size()/2);i++)
108             {
109                 for(int j=0;j<2;j++)
110                 {
111                     System.out.print(ATM.history.get(k)+" ");
112                     k++;
113                 }
114                 System.out.println("----------------------");
```

```
115             }
116             }
117             else {
118                 System.out.println("your account is empty");
119             }
120             ATM.prompt();
121     }
122 }
123 public class ATM {
124     public static String name;
125     public static int balance=0;
126     public static String accnumber;
127     public static ArrayList<String> history=new ArrayList<String>();
128 
129     static void updatebalance(int dcash){
130         balance=balance+dcash;
131     }
132     static void showbalance(){
133         System.out.println(balance);
134     }
135     public static void homepage(){
136         System.out.println("\033[H\033[2J");
137         Scanner sc=new Scanner(System.in);
138         System.out.println("WELCOME TO ATM INTERFACE");
139         System.out.println("-------------------------");
140         System.out.println("select option :");
141         System.out.println("1. Register");
142         System.out.println("2. Exit");
143         System.out.println("Enter choice");
144         int choice =sc.nextInt();
145         if (choice==1){
146                 bankaccount.register();
147         }
148         else {
149             if(choice==2){
150                 System.exit(0);
151             }
152             else{
153                 System.out.println("select a value only from the given options :");
154                 homepage();
155             }
156         }
157     }
158     static void prompt(){
159         Scanner sc=new Scanner(System.in);
160         System.out.println("WELCOME "+ATM.name+"! TO ATM SYSTEM");
161         System.out.println("---------------------");
162         System.out.println("Select option : ");
163         System.out.println("1. Withdraw");
164         System.out.println("2. Deposit");
165         System.out.println("3. Transfer");
166         System.out.println("4. Check balance");
167         System.out.println("5. Transaction History");
168         System.out.println("6. Exit");
169         System.out.print("Enter your choice : ");
170         int choice=sc.nextInt();
171         switch (choice) {
```

```
172             case 1:
173                 transaction.withdraw();
174             case 2:
175                 transaction.deposit();
176             case 3:
177                 transaction.transfer();
178             case 4:
179                 check.checkbalance();
180             case 5:
181                 his.transactionhistory();
182             case 6:
183                 System.exit(0);
184         }
185     }
186 
187     public static void main(String[] args) {
188         homepage();
189     }
190 }
191 
```