ATM INTERFACE

CODE :

```
package oasis_tasks;

import javax.swing.plaf.synth.SynthOptionPaneUI;
import java.sql.SQLOutput;
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) {
```

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	}
}

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();
	}

	static void deposit() {
		Scanner sc = new Scanner(System.in);
		System.out.println("----------------");
		System.out.print("Enter amount to deposit :");
		int dcash = sc.nextInt();
		ATM.updatebalance(dcash);
		ATM.history.add(Integer.toString(dcash));
		ATM.history.add("Deposit");
		System.out.println("Amount Rs." + dcash + "/- deposit successful!");
		System.out.println("---------------------------");
		ATM.prompt();
	}

	static void transfer() {
		Scanner sc = new Scanner(System.in);
		System.out.println("Enter the receiving body:");
		String s = sc.nextLine();
		System.out.println("Enter the account number of the receiving body");
		int num = sc.nextInt();
		System.out.println("Enter the amount to be transferred :");
		int tcash = sc.nextInt();
		if (tcash <= ATM.balance) {
			ATM.balance = ATM.balance - tcash;
			ATM.history.add(Integer.toString(tcash));
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                        ATM.history.add("transferred");
                        System.out.println("Amount Rs." + tcash + "/- transferred
successfully");
                        System.out.println("----------------------------");
                } else {
                        System.out.println("insufficient balance to transfer the cash");
                        System.out.println("----------------------------");
                }
        }
}

class check {
        static void checkbalance() {
                System.out.println("-------------------");
                System.out.println("The available balance in the bank account :");
                ATM.showbalance();
                System.out.println("----------------------------");
                ATM.prompt();
        }
}

class his {
        static void transactionhistory() {
                System.out.println("----------------------");
                System.out.println("Transaction History :");
                int k = 0;
                if (ATM.balance > 0) {
                        for (int i = 0; i < (ATM.history.size() / 2); i++) {
                                for (int j = 0; j < 2; j++) {
                                        System.out.print(ATM.history.get(k) + " ");
                                        k++;
                                }
                                System.out.println("----------------------");
                        }
                } else {
                        System.out.println("your account is empty");
                }
                ATM.prompt();
        }
}

public class ATM {
        public static String name;
        public static int balance = 0;
        public static String accnumber;
        public static ArrayList<String> history = new ArrayList<String>();
```

```
	static void updatebalance(int dcash) {
		balance = balance + dcash;
	}

	static void showbalance() {
		System.out.println(balance);
	}

	public static void homepage() {
		System.out.println("\033[H\033[2J");
		Scanner sc = new Scanner(System.in);
		System.out.println("WELCOME TO ATM INTERFACE");
		System.out.println("-------------------------");
		System.out.println("select option :");
		System.out.println("1. Register");
		System.out.println("2. Exit");
		System.out.println("Enter choice");
		int choice = sc.nextInt();
		if (choice == 1) {
			bankaccount.register();
		} else {
			if (choice == 2) {
				System.exit(0);
			} else {
				System.out.println("select a value only from the given
options :");
				homepage();
			}
		}
	}

	static void prompt() {
		Scanner sc = new Scanner(System.in);
		System.out.println("WELCOME " + ATM.name + "! TO ATM SYSTEM");
		System.out.println("---------------------");
		System.out.println("Select option : ");
		System.out.println("1. Withdraw");
		System.out.println("2. Deposit");
		System.out.println("3. Transfer");
		System.out.println("4. Check balance");
		System.out.println("5. Transaction History");
		System.out.println("6. Exit");
		System.out.print("Enter your choice : ");
		int choice = sc.nextInt();
		switch (choice) {
		case 1:
			transaction.withdraw();
```

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                case 2:
                        transaction.deposit();
                case 3:
                        transaction.transfer();
                case 4:
                        check.checkbalance();
                case 5:
                        his.transactionhistory();
                case 6:
                        System.exit(0);
                }
        }

        public static void main(String[] args) {
                homepage();
        }
}
```