ATM Interface

```java
Import java.util.Scanner;

Class BankAccount {

    Private double balance;

    Private String userId;

    Private String pin;

    Public BankAccount(String userId, String pin, double initialBalance) {

        This.userId = userId;

        This.pin = pin;

        This.balance = initialBalance;

    }


    Public boolean authenticate(String userId, String pin) {

        Return this.userId.equals(userId) && this.pin.equals(pin);

    }


    Public double getBalance() {

        Return balance;

    }

    Public void deposit(double amount) {

        If (amount > 0) {

            Balance += amount;
```

```java
            System.out.println("Deposit successful. New balance: ₹" + balance);

        } else {

            System.out.println("Invalid deposit amount.");

        }

    }


    Public void withdraw(double amount) {

        If (amount <= 0) {

            System.out.println("Invalid withdrawal amount.");

        } else if (amount > balance) {

            System.out.println("Insufficient balance.");

        } else {

            Balance -= amount;

            System.out.println("Withdrawal successful. Remaining balance: ₹" +
balance);

        }

    }

}


// NOTE: Renamed class ATMInterface to Main

Public class Main {

    Public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);
```

```java
BankAccount account = new BankAccount("user123", "1234", 5000.0);

System.out.println("Welcome to the ATM!");

String inputUserId = scanner.nextLine();
String inputPin = scanner.nextLine();

If (!account.authenticate(inputUserId, inputPin)) {
    System.out.println("Authentication failed. Exiting...");
    Return;
}

Int numOperations = scanner.nextInt();
For (int I = 0; I < numOperations; i++) {
    Int choice = scanner.nextInt();

    Switch (choice) {
        Case 1:
            System.out.println("Your balance is: ₹" + account.getBalance());
            Break;
        Case 2:
            Double depositAmount = scanner.nextDouble();
```

```java
                Account.deposit(depositAmount);

                Break;

            Case 3:

                Double withdrawAmount = scanner.nextDouble();

                Account.withdraw(withdrawAmount);

                Break;

            Default:

                System.out.println("Invalid choice.");

        }

    }


    System.out.println("Thank you for using the ATM. Goodbye!");

    Scanner.close();

  }

}
```