

```
import java.util.Scanner;

class User Account {
    private String pin;
    private double balance;

    public User Account(String pin, double balance) {
        this.pin = pin;
        this .balance = balance;
    }

    public Boolean validate Pin(String input Pin) {
        return this. pin.equals(input Pin);
    }

    public double get Balance() {
        return balance;
    }

    public void deposit(double amount) {
        if (amount > 0)
            balance += amount;
    }

    public boolean withdraw(double amount) {
        if (amount > 0 && amount <= balance) {
            balance -= amount;
            return true;
        } else {
            return false;
        }
    }
}
```

```
}  
}
```

```
public class ATM {  
    public static void main(String[] args) {  
        Scanner scanner = new Scanner(System.in);  
  
        User Account account = new User Account("1234", 5000.0);  
  
        System.out.println("Welcome to the ATM");  
        System.out.print("Enter your 4-digit PIN: ");  
        String enteredPin = scanner.nextLine();  
  
        if (!account.validatePin(enteredPin)) {  
            System.out.println("Incorrect PIN. Access Denied.");  
            return;  
        }  
  
        int choice;  
        do {  
            System.out.println("\n--- ATM Menu ---");  
            System.out.println("1. Check Balance");  
            System.out.println("2. Deposit");  
            System.out.println("3. Withdraw");  
            System.out.println("4. Exit");  
            System.out.print("Enter your choice: ");  
            choice = scanner.nextInt();  
  
            switch (choice) {  
                case 1:
```

```
System.out.println("Your Balance: ₹" + account.getBalance());  
break;
```

case 2:

```
System.out.print("Enter amount to deposit: ₹");  
double deposit Amount = scanner.nextDouble();  
account.deposit(depositAmount);  
System.out.println("Amount deposited successfully.");  
break;
```

case 3:

```
System.out.println("Enter amount to withdraw: ₹");  
double withdraw Amount = scanner.nextDouble();  
if (account.withdraw(withdraw Amount)) {  
    System.out.println("Please collect your cash.");  
} else {  
    System.out.println("Insufficient balance or invalid amount.");  
}  
break;
```

case 4:

```
System.out.println("Thank you for using the ATM.");  
break;
```

default:

```
System.out.println("Invalid choice. Please try again.");  
}
```

```
} while (choice != 4);
```

```
scanner.close();
```

}

}