

EduBridge



A Project

Report On

ATM INTERFACE

By

Batch: 2022-7905

Center: Trichy-Thillai Nagar

Under the Guidance of,

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Technical Trainer

EduBridge

(Digital Academy-Certification
program in JAVA FULL STACK)

Introduction:

The ATM INTERFACE is the project which is used to access their bank accounts in order to make cash withdrawals. Whenever the user need to make cash withdraws, they can enter their PIN number (personal identification number) and it will display the amount to be withdrawn in the form of 100's 500's and 1000's. Once their withdrawn was successful, the amount will be debited in their account.

. Modules:-

- Balance Check Module
- Withdraw Amount Module
- Deposit Amount Module

I have developed this Application in **Java and MySQL**

Module Description:

Balance Check Module : In this module, the user can check the balance what they have in their account. They used to check the Account Balance and move forward for the next operations of their process.

Withdraw Amount Module : In this module, the user can withdraw the amount in their bank account through using ATM machine use their ATM pin number, but the user must have the available balance in their account.

Deposit Amount Module : In this module, the user can deposit the amount on their bank account through using ATM machine use their ATM pin number or Account Number.

Function using in Above program:

- **Withdraw()**
- **Deposit()**
- **Balance()**

- **Withdraw:** In this function is used to withdraw the amount from user, deduct it from the total balance, and display the message.
- **Deposit:** In this function is used to Deposit the user amount in their Bank Account and add it to their total balance.
- **Balance:** In this function is used to show the total balance of the user bank account.

Software Requirements:

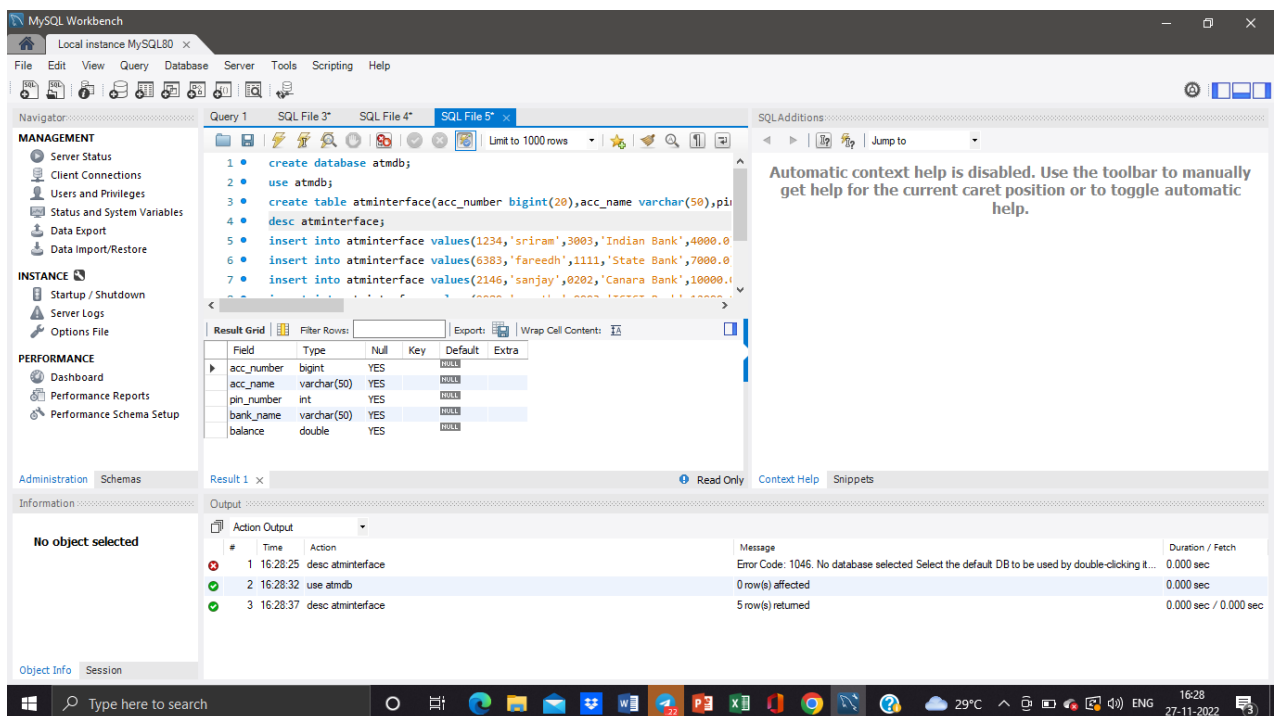
Back end: JAVA, MySQL workbench 8.0 CE.

Browser: Best result on Google Chrome

Operating System: Window

Data Dictionary:

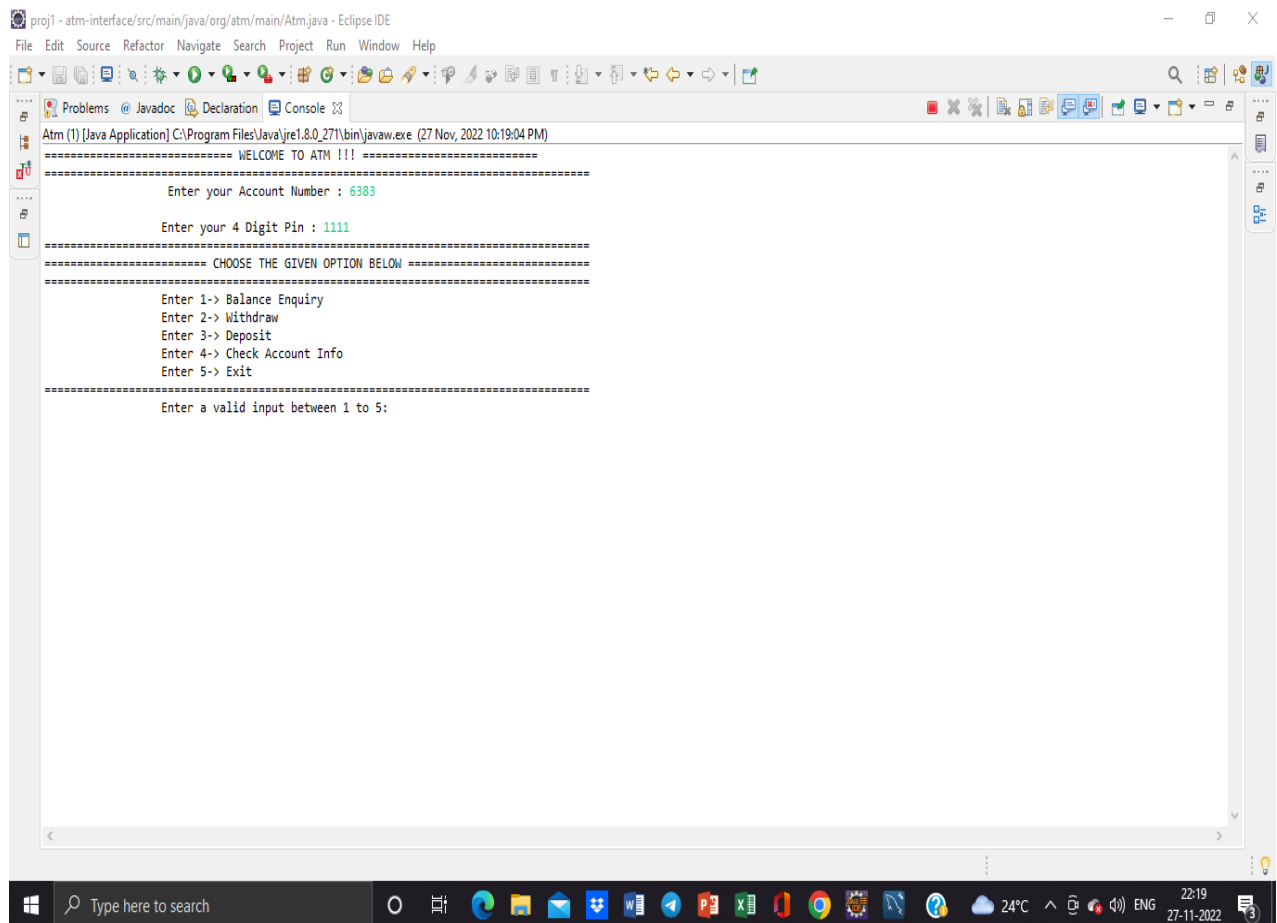
- Create Database atmDB;



Screenshots:-

CONSOLE OUTPUT:-

Entering ATM:



The screenshot shows the Eclipse IDE interface with the console output of a Java application. The console title is "Atm (1) [Java Application] C:\Program Files\Java\jre1.8.0_271\bin\javaw.exe (27 Nov, 2022 10:19:04 PM)". The output text is as follows:

```
===== WELCOME TO ATM !!! =====  
Enter your Account Number : 6383  
Enter your 4 Digit Pin : 1111  
===== CHOOSE THE GIVEN OPTION BELOW =====  
Enter 1-> Balance Enquiry  
Enter 2-> Withdraw  
Enter 3-> Deposit  
Enter 4-> Check Account Info  
Enter 5-> Exit  
=====
```

The application is waiting for a valid input between 1 to 5.

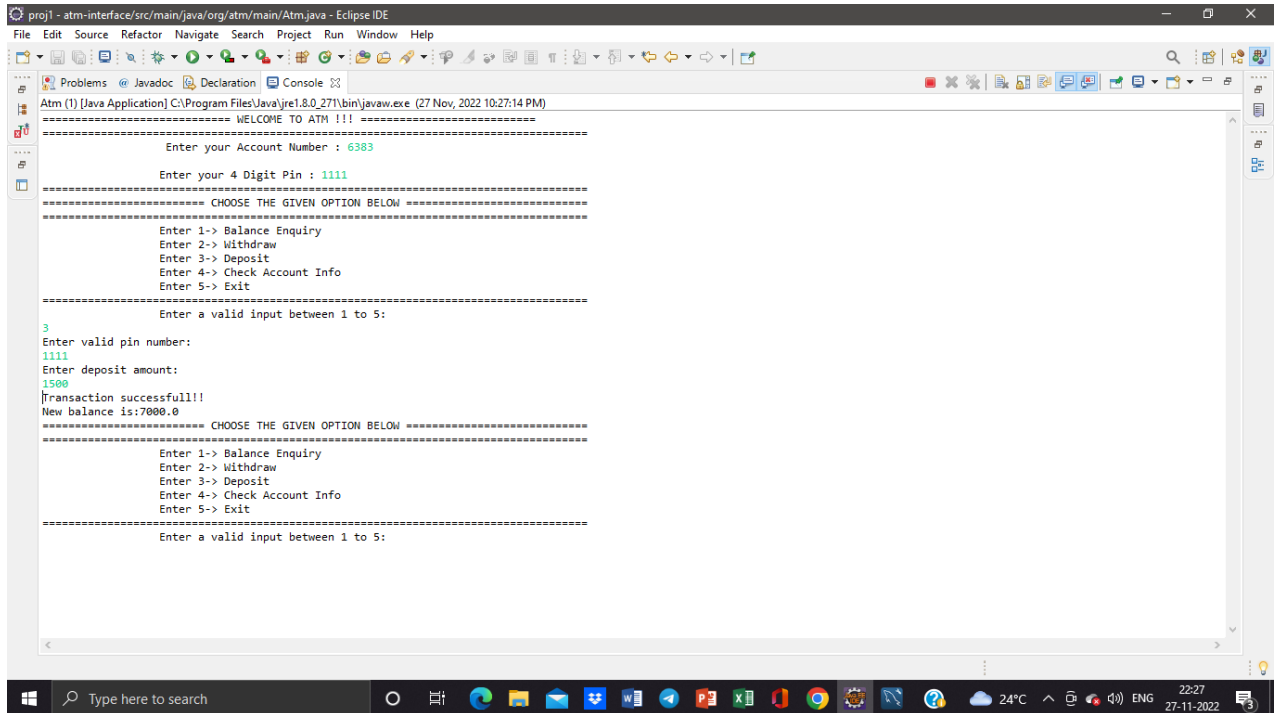
Balance Check:

```
proj1 - atm-interface/src/main/java/org/atm/main/Atm.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Atm (1) [Java Application] C:\Program Files\Java\jre1.8.0_271\bin\javaw.exe (27 Nov, 2022 10:16:19 PM)
===== WELCOME TO ATM !!! =====
Enter your Account Number : 6383
Enter your 4 Digit Pin : 1111
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
Enter a valid input between 1 to 5:
1
Enter valid pin number:
1111
Current available balance is :7000.0
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
Enter a valid input between 1 to 5:
```

Withdraw Amount:

```
proj1 - atm-interface/src/main/java/org/atm/main/Atm.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Atm (1) [Java Application] C:\Program Files\Java\jre1.8.0_271\bin\javaw.exe (27 Nov, 2022 10:25:18 PM)
===== WELCOME TO ATM !!! =====
Enter your Account Number : 6383
Enter your 4 Digit Pin : 1111
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
Enter a valid input between 1 to 5:
2
Enter valid pin number:
1111
Enter withdraw amount:
1500
Transaction successful!!!
Remaining balance is:5500.0
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
Enter a valid input between 1 to 5:
```

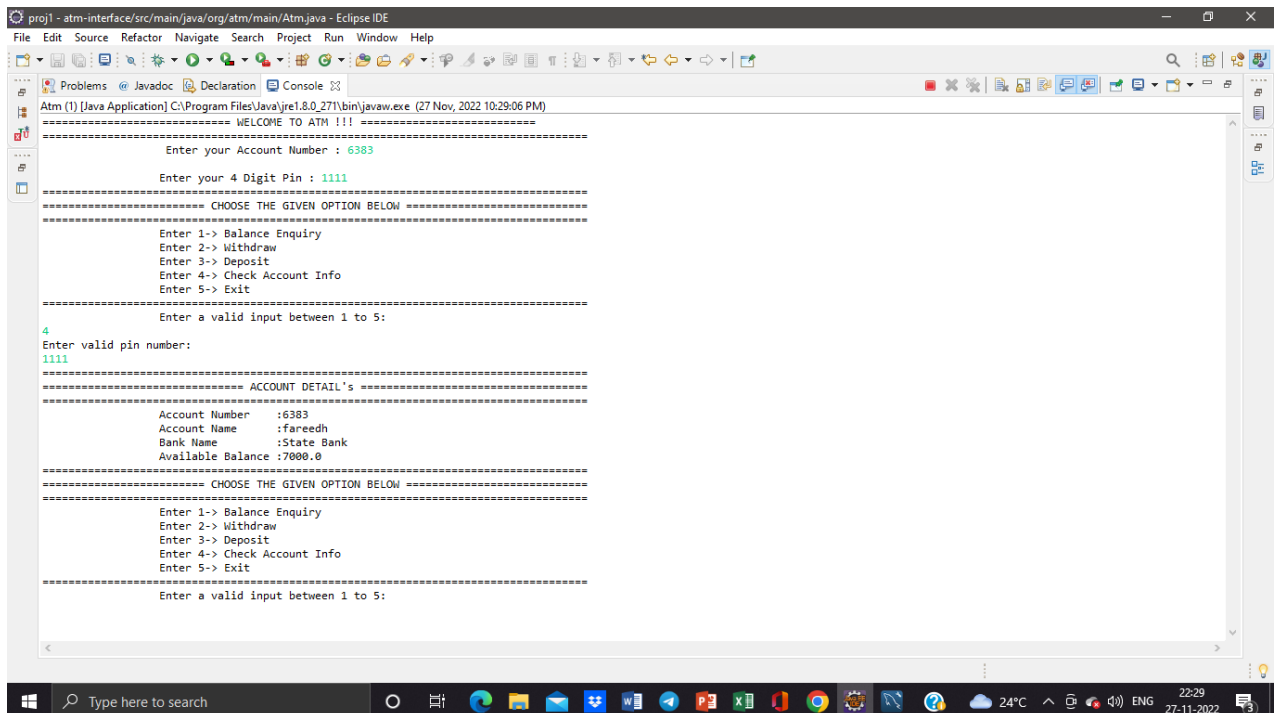
Deposit Amount:



```
proj1 - atm-interface/src/main/java/org/atm/main/Atm.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Atm (1) [Java Application] C:\Program Files\Java\jre1.8.0_271\bin\javaw.exe (27 Nov, 2022 10:27:14 PM)
===== WELCOME TO ATM !!! =====
Enter your Account Number : 6383
Enter your 4 Digit Pin : 1111
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
Enter a valid input between 1 to 5:
3
Enter valid pin number:
1111
Enter deposit amount:
1500
[Transaction successful!!!
New balance is:7000.0
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
Enter a valid input between 1 to 5:
```

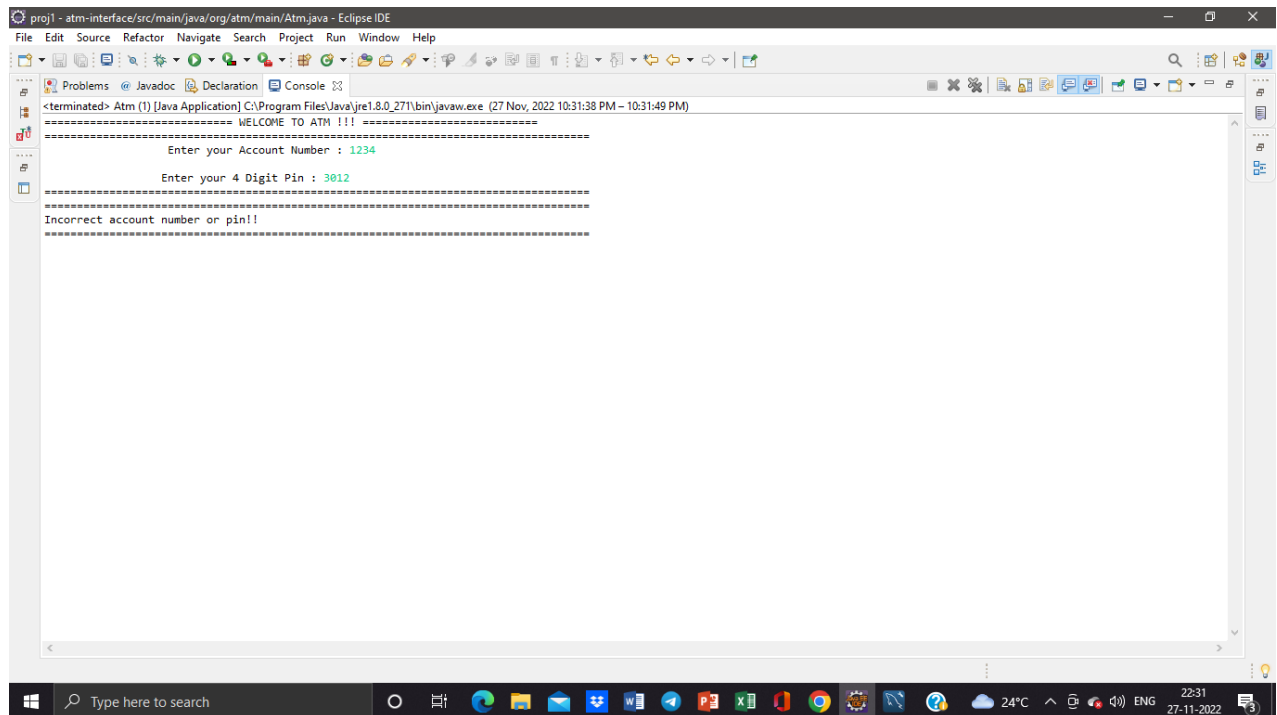
Check Account Info:



```
proj1 - atm-interface/src/main/java/org/atm/main/Atm.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Atm (1) [Java Application] C:\Program Files\Java\jre1.8.0_271\bin\javaw.exe (27 Nov, 2022 10:29:06 PM)
===== WELCOME TO ATM !!! =====
Enter your Account Number : 6383
Enter your 4 Digit Pin : 1111
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
Enter a valid input between 1 to 5:
4
Enter valid pin number:
1111
===== ACCOUNT DETAIL'S =====
Account Number :6383
Account Name :ifareedh
Bank Name :State Bank
Available Balance :7000.0
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
Enter a valid input between 1 to 5:
```

Incorrect Pin or Account Number:

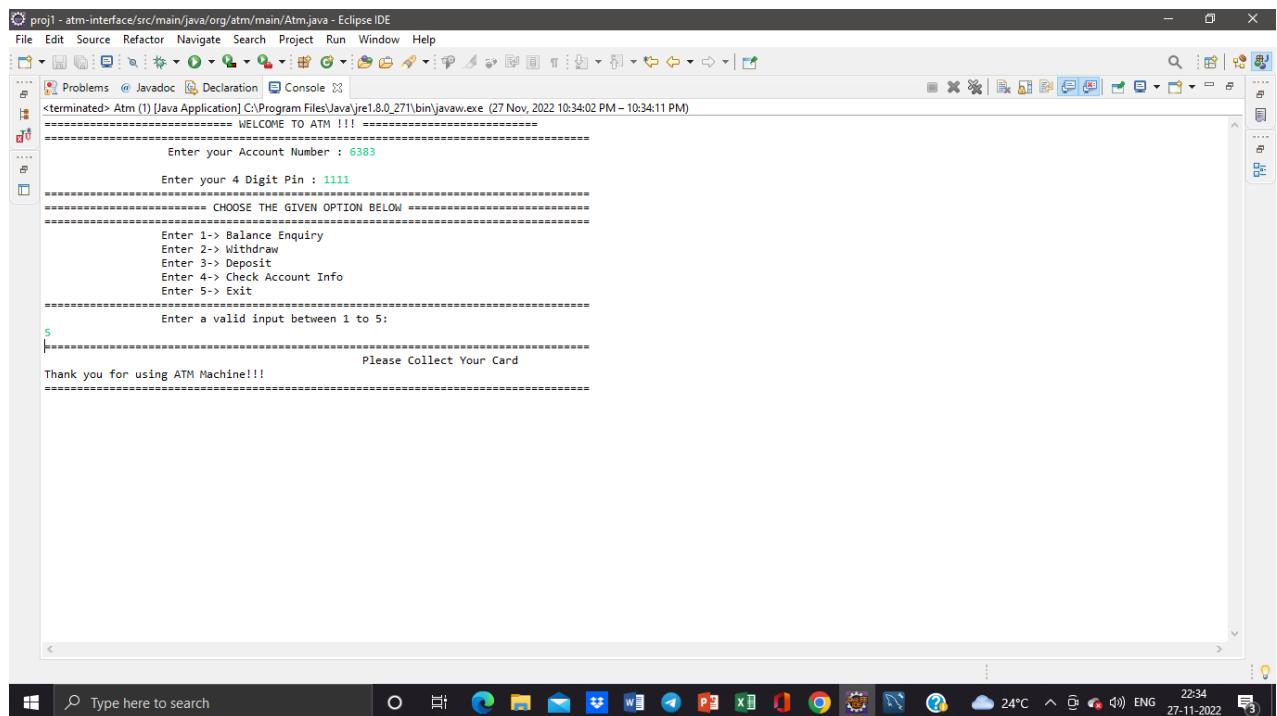


The screenshot shows the Eclipse IDE interface with the console window open. The console output displays the following text:

```
<terminated> Atm (1) [Java Application] C:\Program Files\Java\jre1.8.0_271\bin\javaw.exe (27 Nov, 2022 10:31:38 PM - 10:31:49 PM)
===== WELCOME TO ATM !!! =====
Enter your Account Number : 1234
Enter your 4 Digit Pin : 3012
=====
Incorrect account number or pin!!
=====
```

The IDE title bar indicates the file path: `proj1 - atm-interface/src/main/java/org/atm/main/Atm.java - Eclipse IDE`. The Windows taskbar at the bottom shows the date as 27-11-2022 and the time as 22:31.

Exit ATM Machine:



The screenshot shows the Eclipse IDE interface with the console window open. The console output displays the following text:

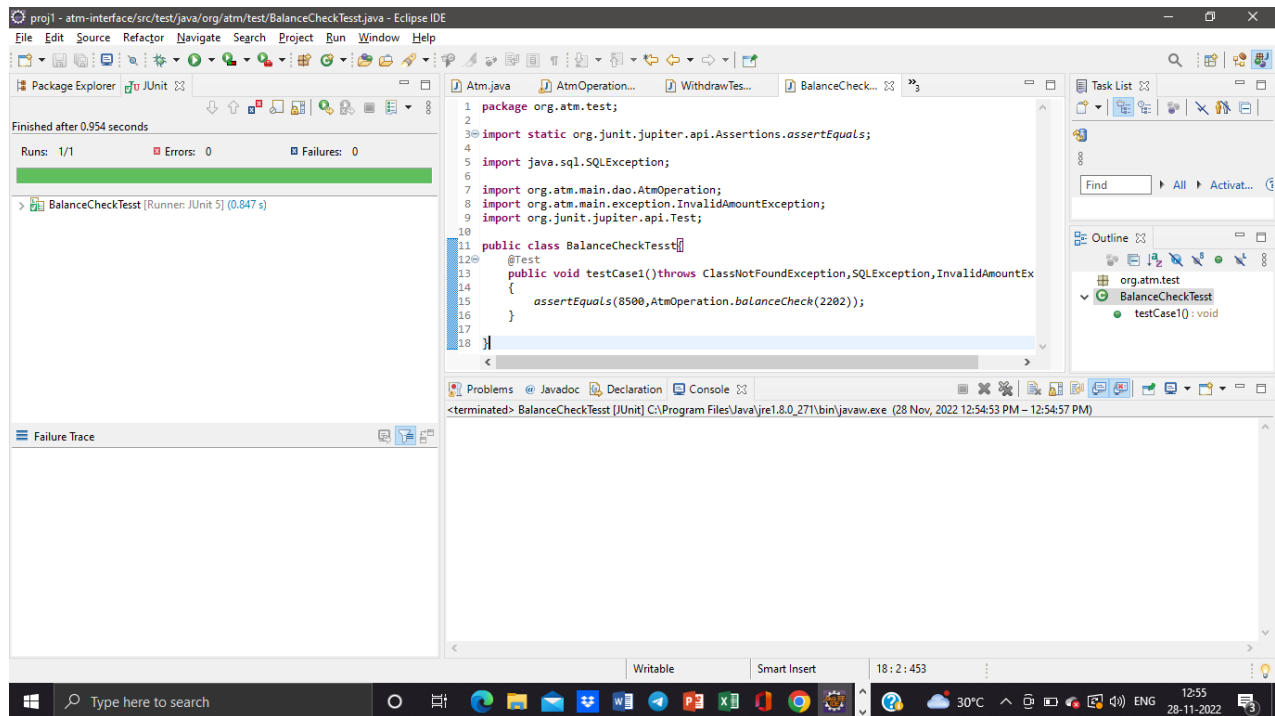
```
<terminated> Atm (1) [Java Application] C:\Program Files\Java\jre1.8.0_271\bin\javaw.exe (27 Nov, 2022 10:34:02 PM - 10:34:11 PM)
===== WELCOME TO ATM !!! =====
Enter your Account Number : 6383
Enter your 4 Digit Pin : 1111
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
=====
Enter a valid input between 1 to 5:
5
=====
Please Collect Your Card
Thank you for using ATM Machine!!!
=====
```

The IDE title bar indicates the file path: `proj1 - atm-interface/src/main/java/org/atm/main/Atm.java - Eclipse IDE`. The Windows taskbar at the bottom shows the date as 27-11-2022 and the time as 22:34.

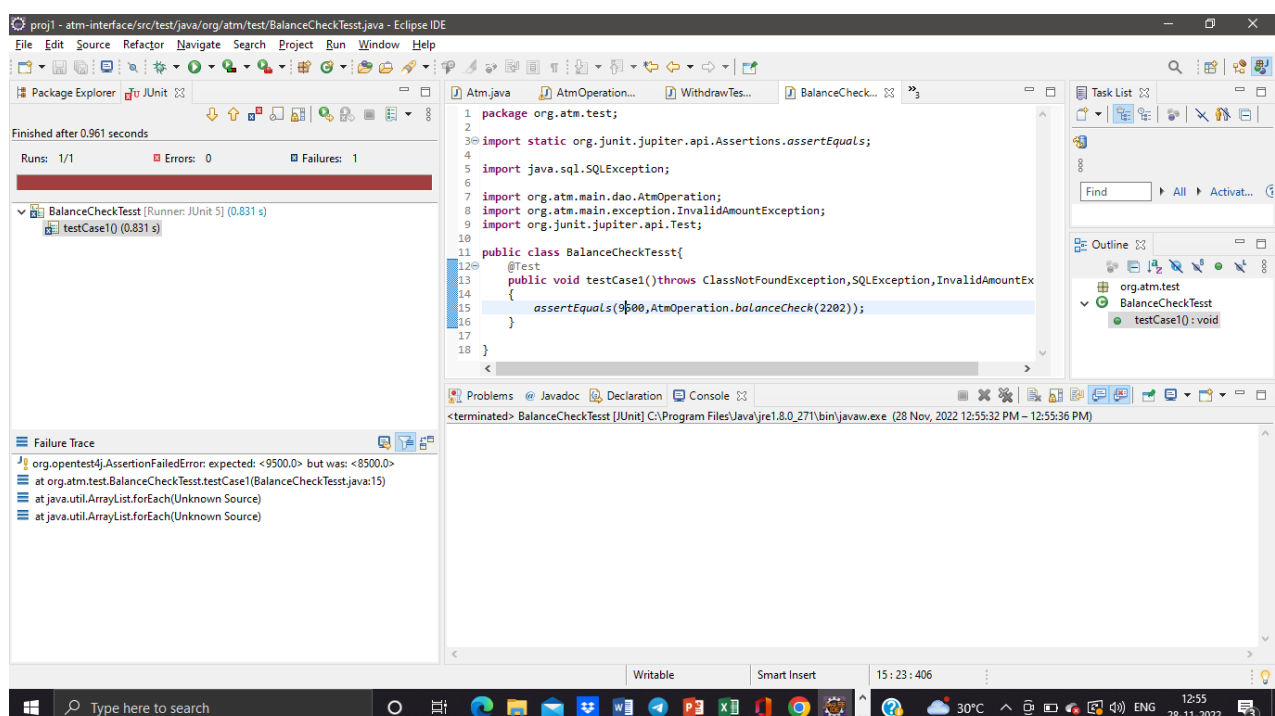
Test Case Module Output:

Balance Check Test Case:

Passed Test Case:



Failed Test Case:



****Thank You****

