

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

(ATM Interface)

Introduction:

This ATM Interface enables the clients of a bank to have access to their accounts without going to the bank. This is achieved only by developing the application using online concepts.

When the product is implemented, the user who uses this product will be able to see all the information and services provided by the ATM, when he enters the necessary option and arguments. The product also provides services like requests for cheques, deposit cash, and another advanced requirement of the user. The data is stored in the database and is retrieved whenever necessary. The implementation needs ATM machine hardware to operate, or similar simulated conditions can also be used to successfully use the developed product.

Modules:

- Login
- Withdraw
- Deposit
- Check Balance
- Change PIN
- Account Information
- Exit

I have developed this Application in **Java 8 and MySQL**.

- **Login:** When user click the button “USERS” it will show the new GUI for entering their registered username and password. They need to enter the correct username and password.
- **Withdraw:** The ATM Interface is the project which is used to access their Username to make cash withdrawals. Whenever the user needs to make cash withdraws, they can enter their PIN number (personal identification number) and it will display the amount to be withdrawn. Once their withdrawal was successful, the amount will be debited from their account.

- **Function (Deposit):** To deposit into the account click on the button “DEPOSIT”. It will show a deposit GUI on the screen. They need to enter the amount to deposit into their account.
- **Balance Check:** When a user executes this program it will show the details (username, password and current balance) from the text file in the console. They will also see the startup GUI (Graphical User Interface) of this program.
- **Change PIN:** Users can also change their password (pin). For that they need to click the button “CHANGE PIN”. It will show the screen for changing the pin where users need to enter their current username and password for verification. Then click the button “CHANGE”.
- **Account Information:** It means any information relating to the Account including without limitation the account number, account balance or value, gross receipts, withdrawals and payments from the account.

Software Requirements:

- **Back end:** JAVA 8, MySQL workbench.
- **IDE:** Eclipse – Workspace
- **Operating System:** Window

Create Database ATMDB:

```
MySQL 8.0 Command Line Cli x + v
```

```
Enter password: ****  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 184  
Server version: 8.0.31 MySQL Community Server - GPL  
  
Copyright (c) 2000, 2022, Oracle and/or its affiliates.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> use atminterfacedB;  
Database changed  
mysql> select * from atm;  
  
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| ACCOUNT_NUMBER | ACCOUNT_NAME | CARD_NUMBER | PIN | IFSE_CODE | PAN_NUMBER | MOBILE_NUMBER | CARD_VALID_DATE | GENDER | ADDRESS | EM |  
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| AIL | BRANCH | BALANCE | | | | | | | | |  
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| 59358244791 | RAMESH KUMAR | 8491 3296 5024 9458 | 9958 | SBIH00564 | 987542546789 | 9959530349 | 10/20 | MALE | ramgeshl@gmail.com | 22 |  
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
/4 SAI street,jagityal | SBH | 2400 | | | | | | | | |  
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
  
1 row in set (0.00 sec)  
  
mysql>
```

29°C Haze

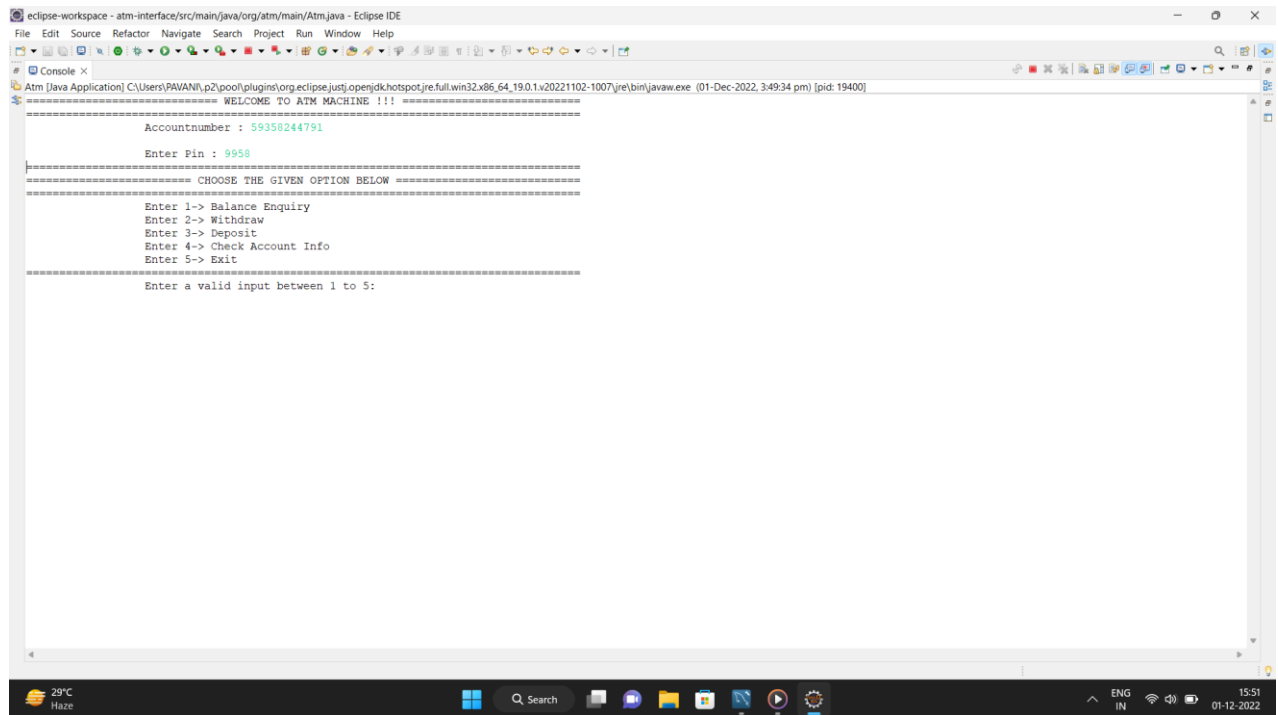
Search

ENG IN

16:01 01-12-2022

Screenshots:

Login:

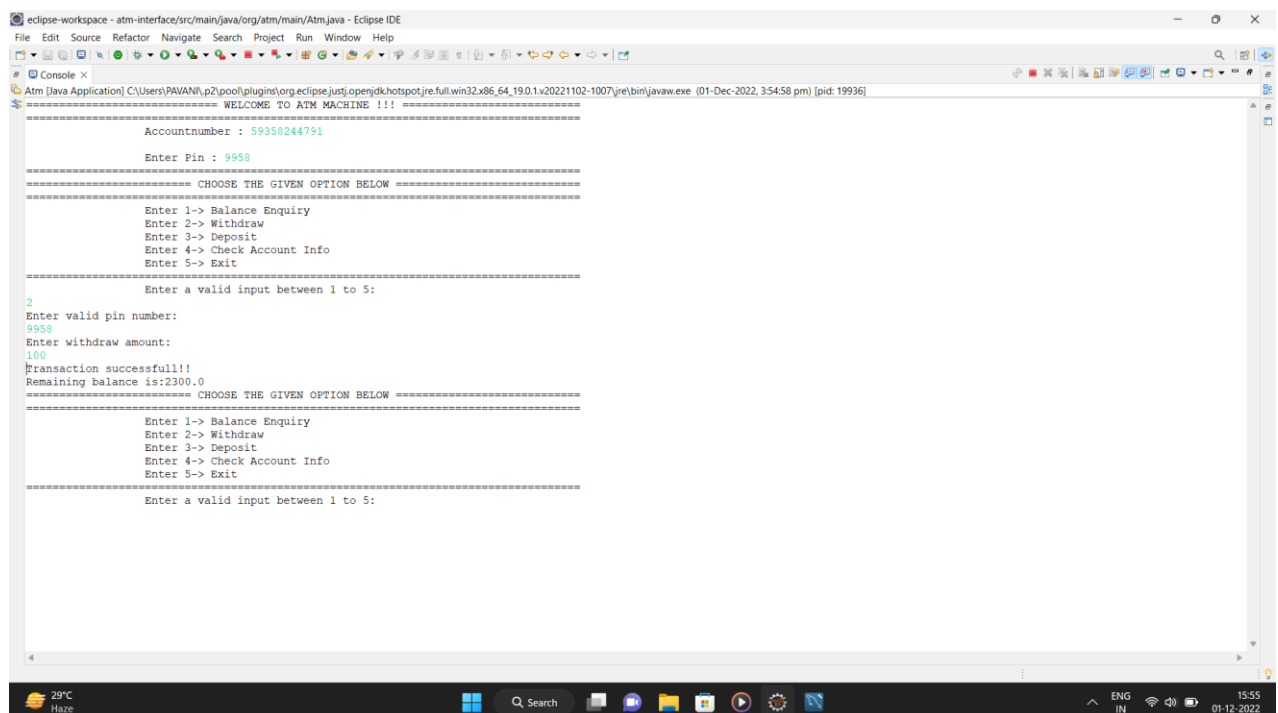


The screenshot shows the Eclipse IDE interface with a Java application running in the console. The application is titled "Atm [Java Application]" and is located at "C:\Users\PAVANI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.19.0.1.v20221102-1007\jre\bin\javaw.exe". The console output shows the following sequence of events:

```
===== WELCOME TO ATM MACHINE !!! =====
Accountnumber : 59358244791
Enter Pin : 9958
===== 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:
```

The taskbar at the bottom shows the system clock as 15:51 on 01-12-2022, with a weather widget indicating 29°C and Haze.

Withdraw:

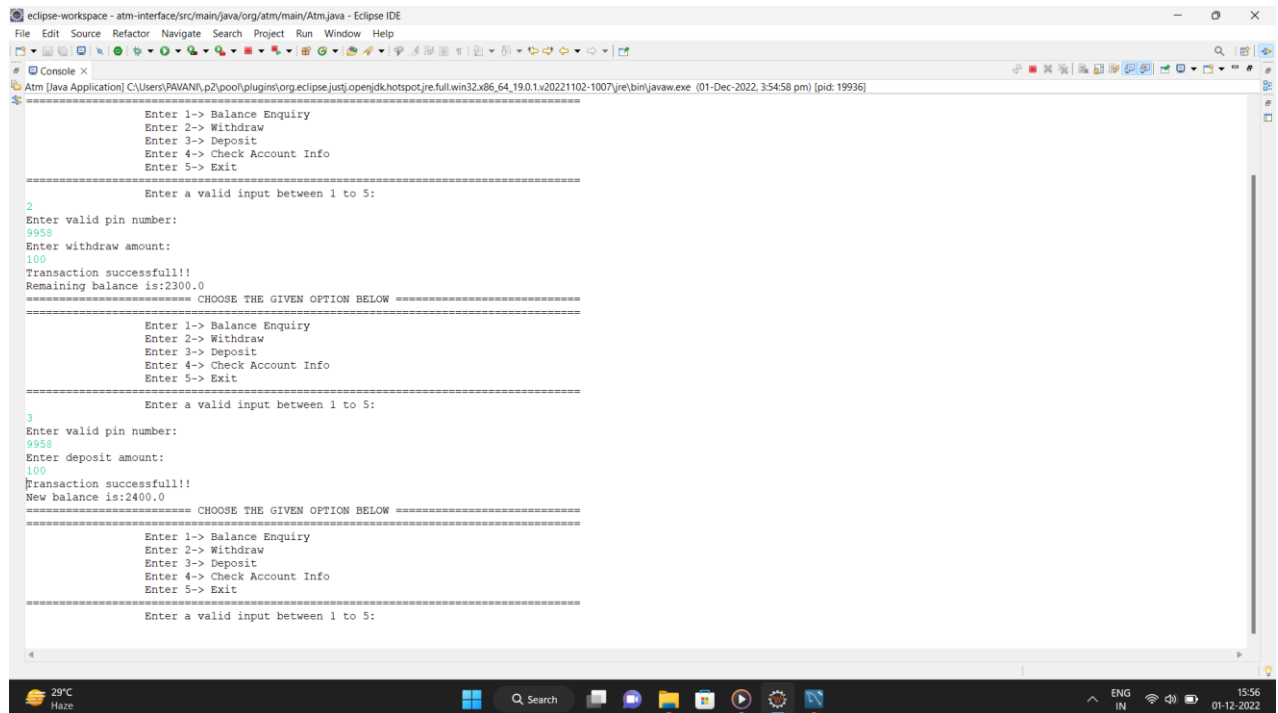


The screenshot shows the Eclipse IDE interface with the same Java application running. The console output continues from the previous state, showing the withdrawal process:

```
===== 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:
9958
Enter withdraw amount:
100
Transaction successfull!!
Remaining balance is:2300.0
===== 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:
```

The taskbar at the bottom shows the system clock as 15:55 on 01-12-2022, with a weather widget indicating 29°C and Haze.

Deposit:



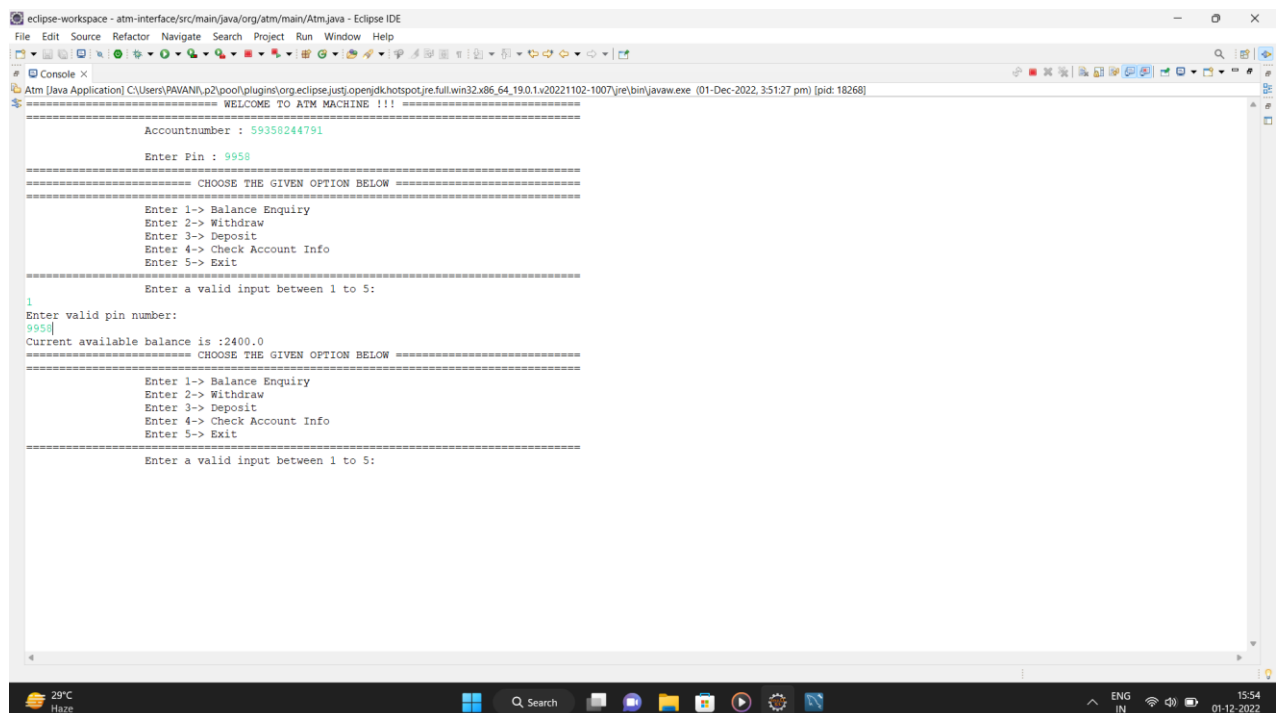
The screenshot shows the Eclipse IDE console with the following output:

```
eclipse-workspace - atm-interface/src/main/java/org/atm/main/Atm.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Atm [Java Application] C:\Users\PAVANI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_19.0.1.v20221102-1007\jre\bin\javaw.exe (01-Dec-2022, 3:54:58 pm) [pid: 19936]

=====
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:
9958
Enter withdraw amount:
100
Transaction successful!!
Remaining balance is:2300.0
===== 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:
3
Enter valid pin number:
9958
Enter deposit amount:
100
Transaction successful!!
New balance is:2400.0
===== 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:
```

The Windows taskbar at the bottom shows the date as 01-12-2022 and time as 15:56.

Check Balance:



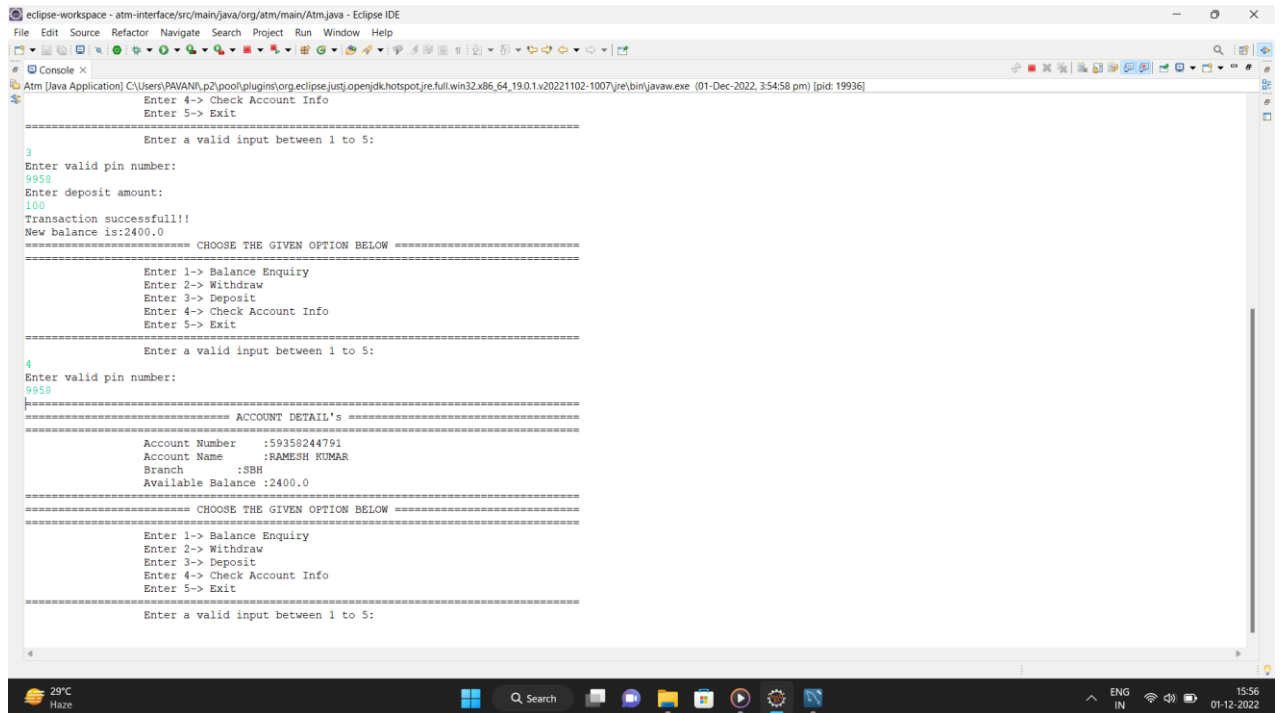
The screenshot shows the Eclipse IDE console with the following output:

```
eclipse-workspace - atm-interface/src/main/java/org/atm/main/Atm.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Atm [Java Application] C:\Users\PAVANI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_19.0.1.v20221102-1007\jre\bin\javaw.exe (01-Dec-2022, 3:51:27 pm) [pid: 18268]

===== WELCOME TO ATM MACHINE !!! =====
Accountnumber : 59358244791
Enter Pin : 9958
===== 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:
9958
Current available balance is :2400.0
===== 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:
```

The Windows taskbar at the bottom shows the date as 01-12-2022 and time as 15:54.

Account Information:



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

# Console X
Atm [Java Application] C:\Users\PAVANI\p2\pool\plugins\org.eclipse.justi.openjdk hotspot.jre.full.win32.x86_64.19.0.1.v20221102-1007\jre\bin\javaw.exe (01-Dec-2022, 3:54:58 pm) [pid: 19936]

Enter 4-> Check Account Info
Enter 5-> Exit

=====
Enter a valid input between 1 to 5:

3
Enter valid pin number:
9958
Enter deposit amount:
100
Transaction successful!!
New balance is:2400.0

===== 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:

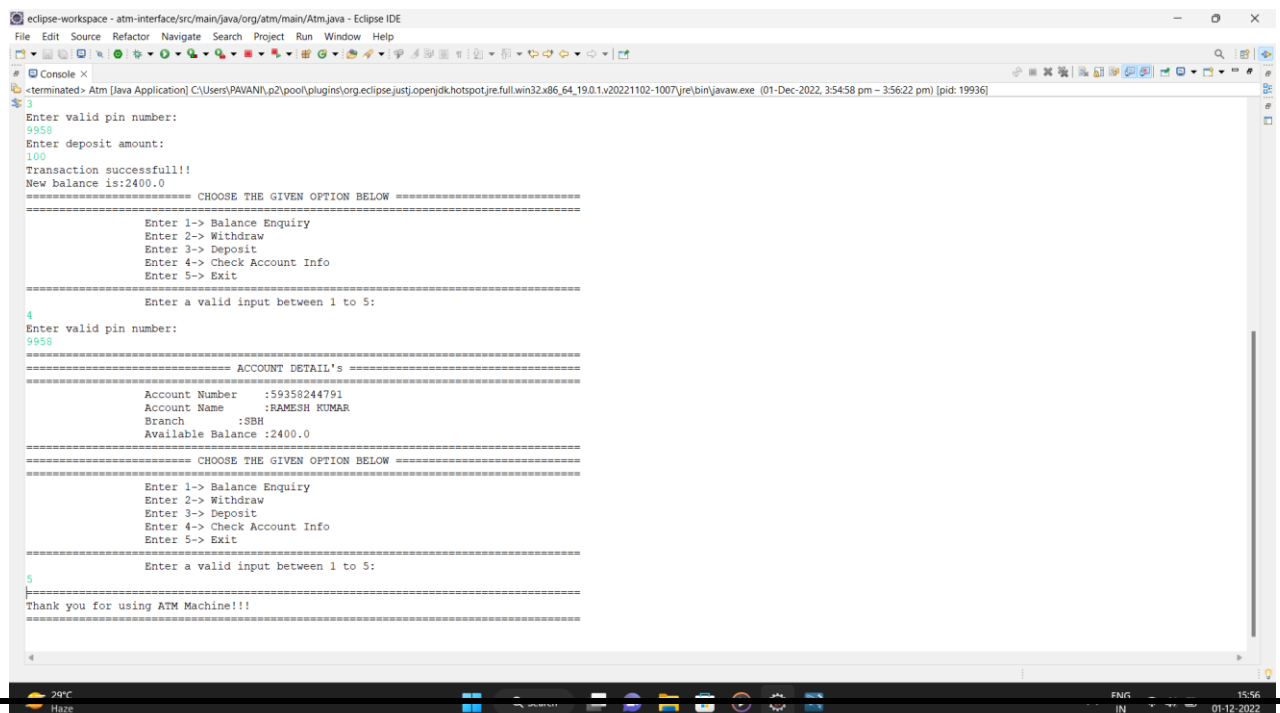
4
Enter valid pin number:
9958

===== ACCOUNT DETAIL'S =====
Account Number :59358244791
Account Name :RAMESH KUMAR
Branch :SBH
Available Balance :2400.0

===== 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:
```

Change PIN:



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

# Console X
Atm [Java Application] C:\Users\PAVANI\p2\pool\plugins\org.eclipse.justi.openjdk hotspot.jre.full.win32.x86_64.19.0.1.v20221102-1007\jre\bin\javaw.exe (01-Dec-2022, 3:54:58 pm - 3:56:22 pm) [pid: 19936]

Enter valid pin number:
9958
Enter deposit amount:
100
Transaction successful!!
New balance is:2400.0

===== 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:

4
Enter valid pin number:
9958

===== ACCOUNT DETAIL'S =====
Account Number :59358244791
Account Name :RAMESH KUMAR
Branch :SBH
Available Balance :2400.0

===== 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:

5
Thank you for using ATM Machine!!!
```

Thank you....

Suggestions?.....