

EduBridge



A

Project

Report

On

ATM SYSTEM

By

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Batch: 2022 – 7397

Center : Salem-Alagapuram

Under the Guidance of,

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Technical Trainer

EduBridge

(School of coding)

Introduction

The ATM (Automated Teller Machine) System is the project which is used to enables the clients of a bank to have Access their account in order to make cash withdrawals without going to the bank. When the system is implemented, the user who uses this System will be able to see all the information and services provided by the ATM, when he enters the Necessary options.

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To develop this ATM System the entire operations has been divided into following Steps:

1. Verification Process
2. Banking Services
3. Transactions

The program is designed in such a way that the user has to card and pin number. Once verified, he is provided a menu and he/she had to enter the options provided in the menu. When the option is entered with the respective argument, then process is displayed on the console screen.

Software Requirements:

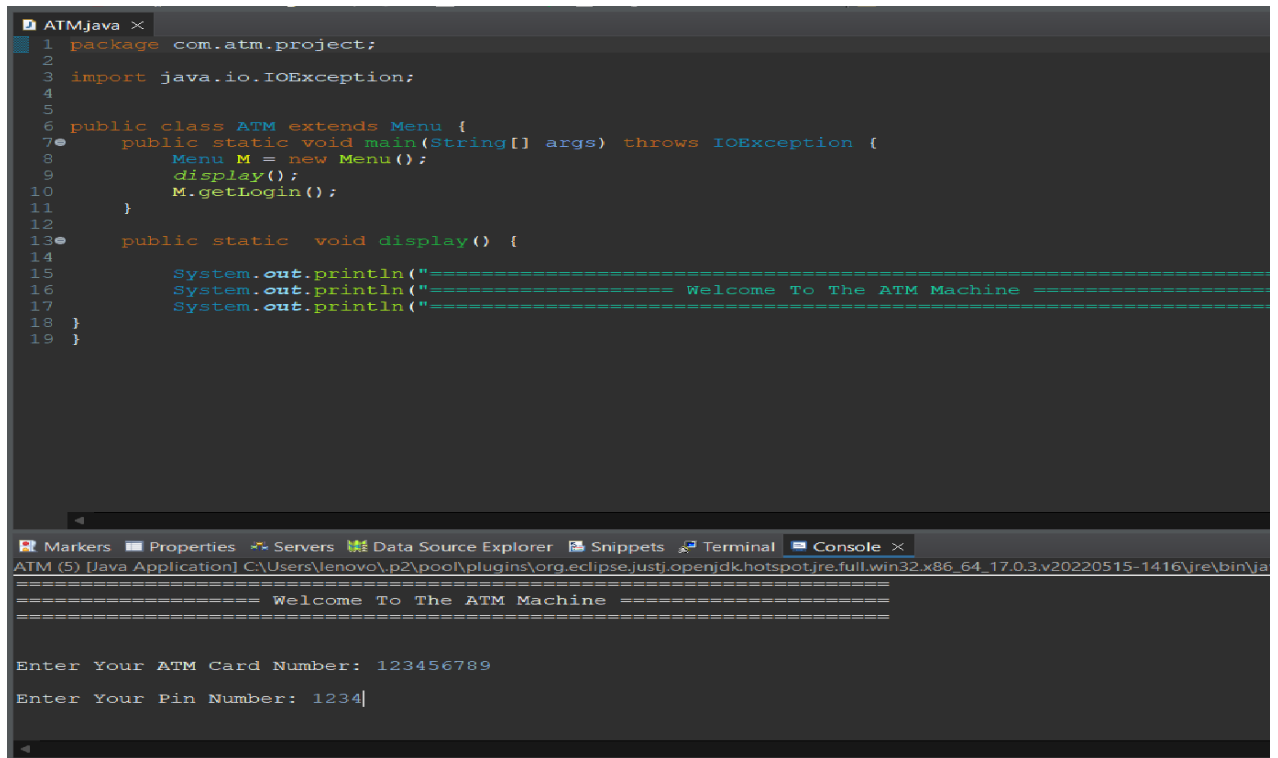
Front end: Java.

Application: Eclipse IDE for Enterprise Java and Web Developers.

Operating System: Windows.

Screenshots:-

1.



The screenshot shows the Eclipse IDE with the file `ATM.java` open. The code defines a package `com.atm.project`, imports `java.io.IOException`, and defines a class `ATM` that extends `Menu`. The `main` method calls `display()` and `getLogin()`. The `display` method prints a welcome message. The console output shows the welcome message and prompts for the ATM card number and PIN.

```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====
16        System.out.println("===== Welcome To The ATM Machine =====
17        System.out.println("=====
18    }
19 }
```

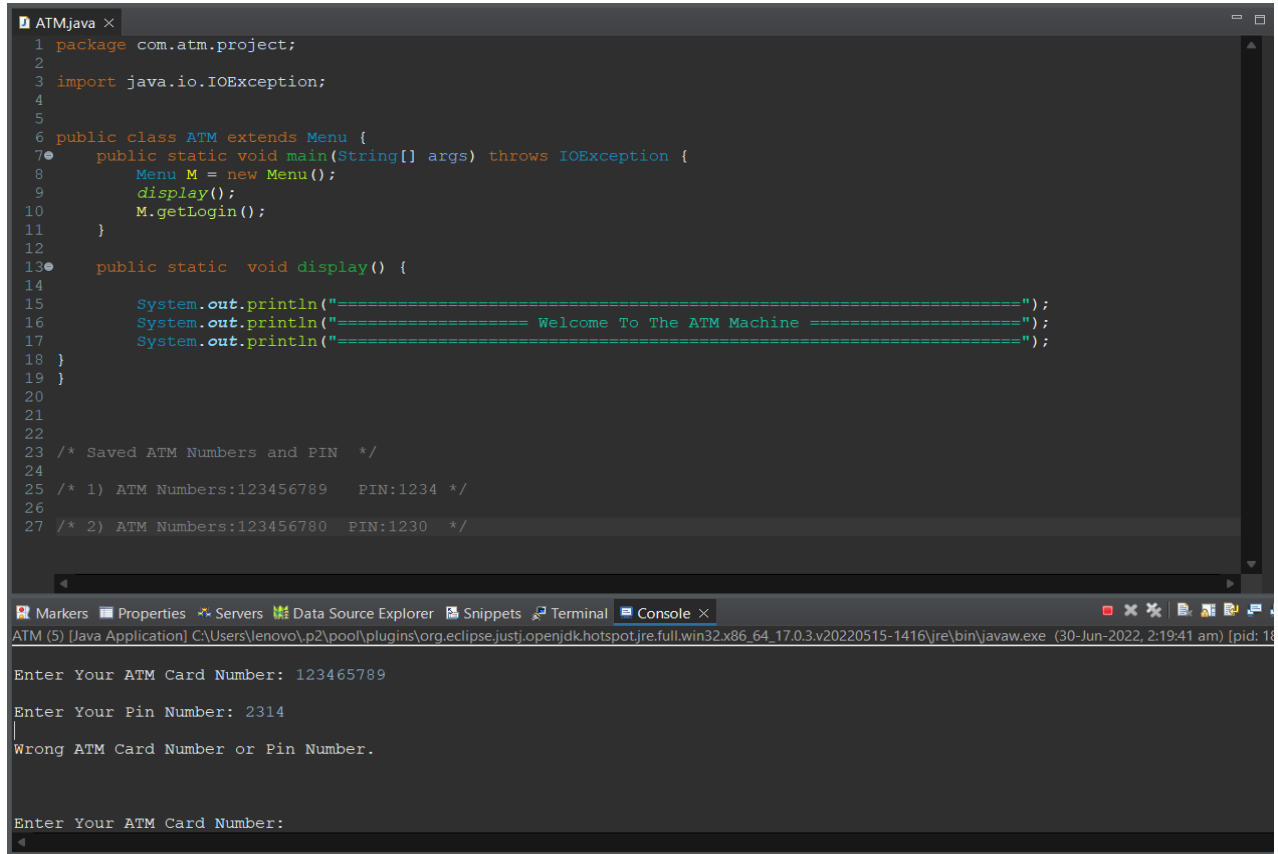
ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 2:19:41 am) [pid: 1848]

===== Welcome To The ATM Machine =====

Enter Your ATM Card Number: 123456789

Enter Your Pin Number: 1234

2.



The screenshot shows the Eclipse IDE with the file `ATM.java` open. The code is similar to the first screenshot but includes comments for saved ATM numbers and PINs. The console output shows the welcome message and prompts for the ATM card number and PIN. The output also shows a message indicating that the entered card number or PIN is wrong.

```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====
16        System.out.println("===== Welcome To The ATM Machine =====
17        System.out.println("=====
18    }
19 }
20
21
22
23 /* Saved ATM Numbers and PIN */
24
25 /* 1) ATM Numbers:123456789 PIN:1234 */
26
27 /* 2) ATM Numbers:123456780 PIN:1230 */
```

ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 2:19:41 am) [pid: 1848]

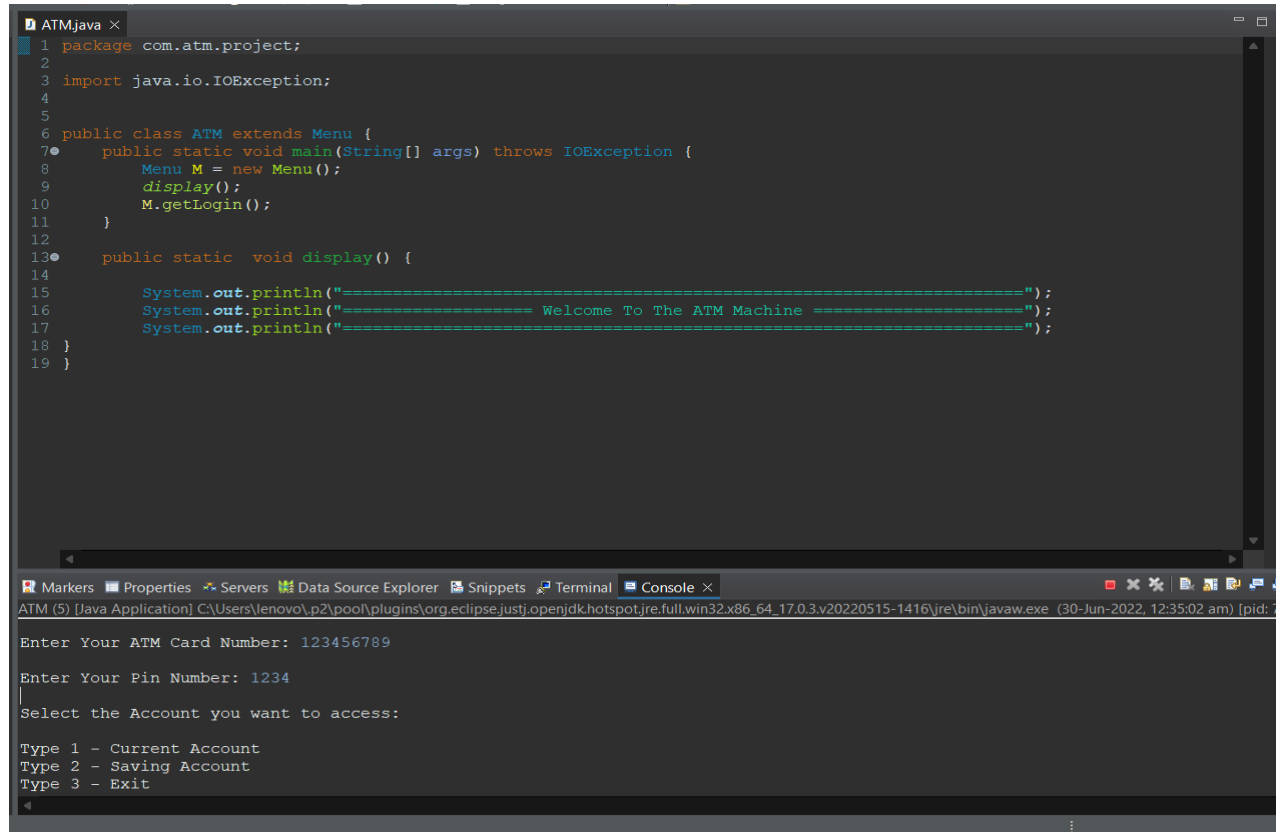
Enter Your ATM Card Number: 123456789

Enter Your Pin Number: 2314

Wrong ATM Card Number or Pin Number.

Enter Your ATM Card Number:

3.



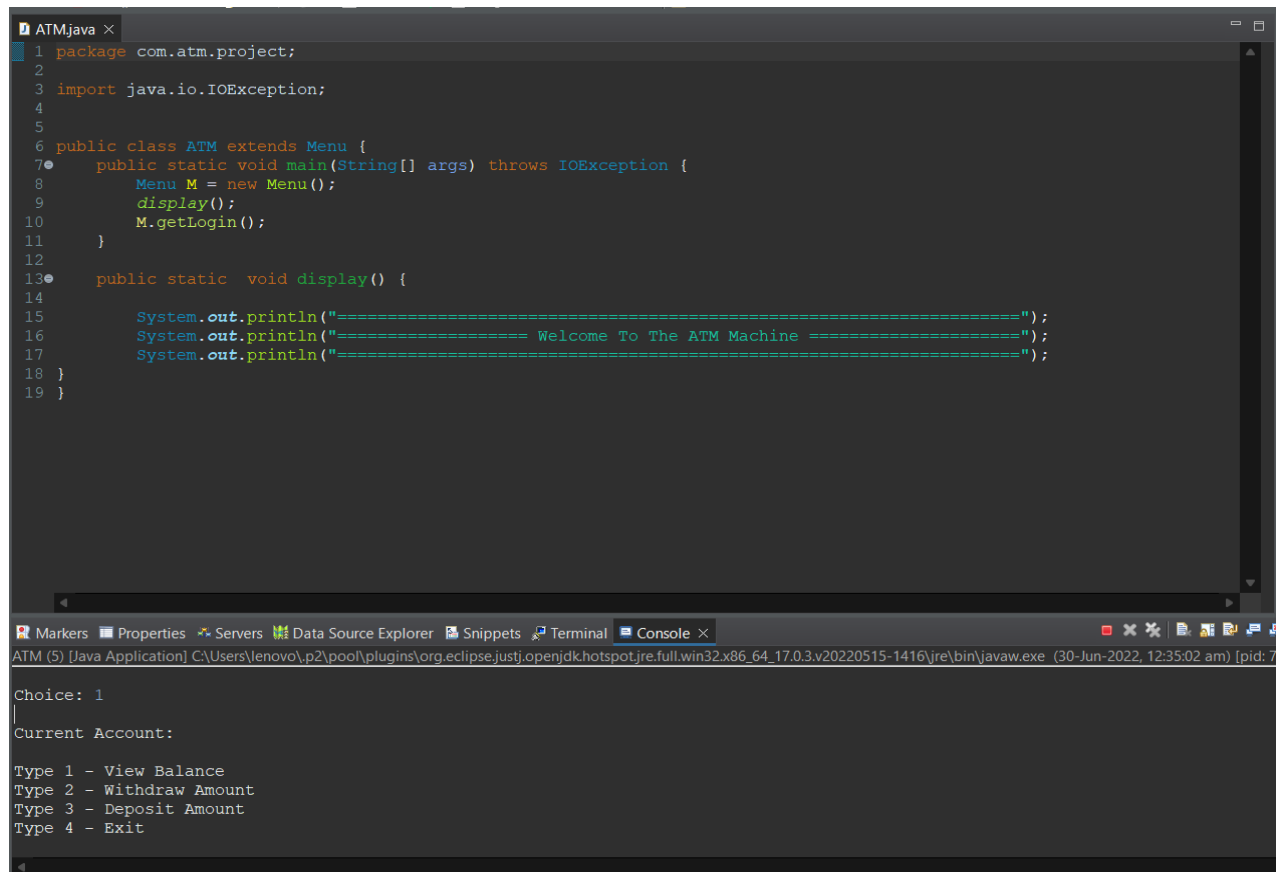
The screenshot shows an IDE window titled 'ATM.java' with the following code:

```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

The console output shows the program's execution:

```
ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7]
Enter Your ATM Card Number: 123456789
Enter Your Pin Number: 1234
Select the Account you want to access:
Type 1 - Current Account
Type 2 - Saving Account
Type 3 - Exit
```

4.



The screenshot shows the same IDE window with the same code as in the previous screenshot. The console output shows the program's execution after selecting 'Type 1 - Current Account':

```
ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7]
Choice: 1
Current Account:
Type 1 - View Balance
Type 2 - Withdraw Amount
Type 3 - Deposit Amount
Type 4 - Exit
```

5.

```
ATM.java ×
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

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ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7

Current Account:

Type 1 - View Balance
Type 2 - Withdraw Amount
Type 3 - Deposit Amount
Type 4 - Exit

Choice: 1
Current Account Balance: ₹150,000.00

6.

```
ATM.java ×
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

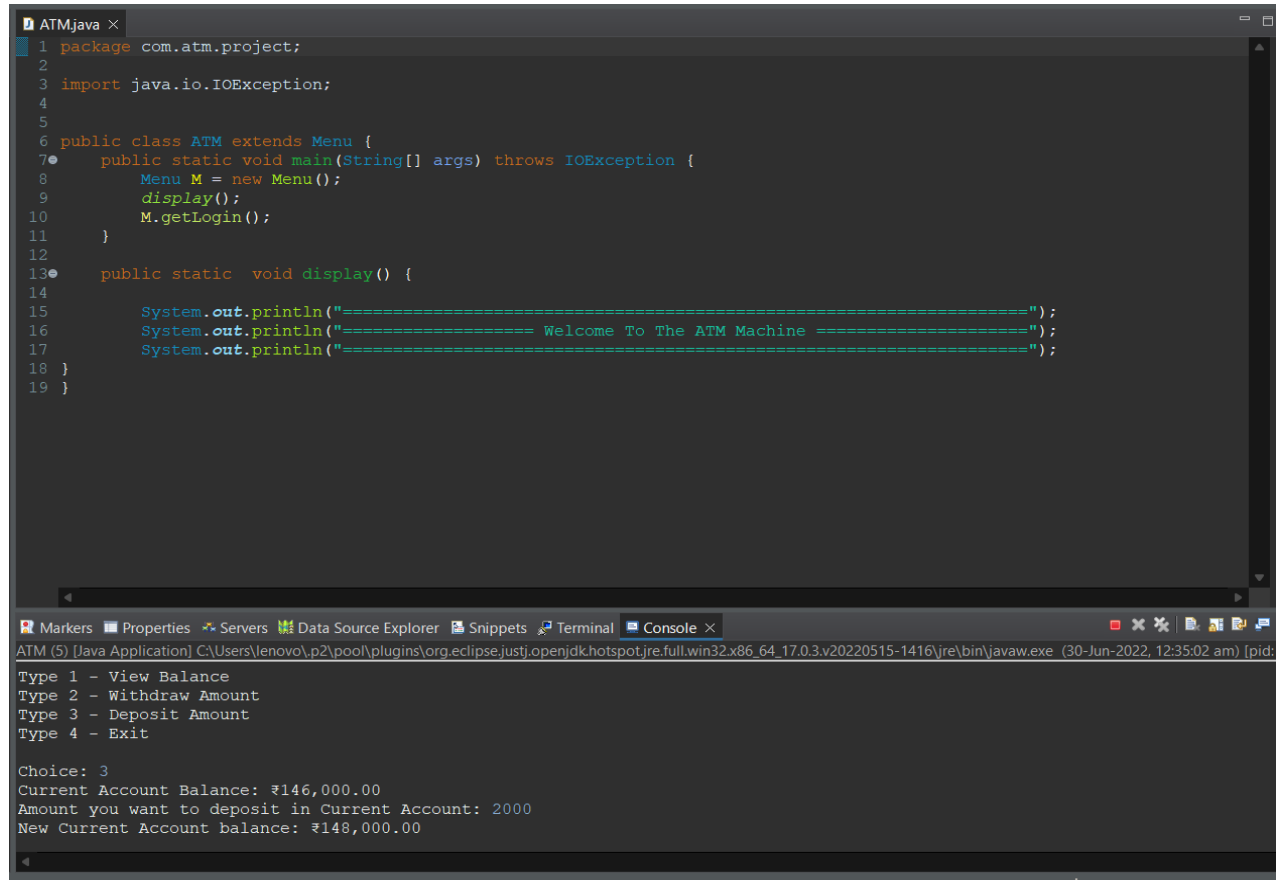
Markers Properties Servers Data Source Explorer Snippets Terminal Console ×

ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7

Type 1 - View Balance
Type 2 - Withdraw Amount
Type 3 - Deposit Amount
Type 4 - Exit

Choice: 2
Current Account Balance: ₹150,000.00
Amount you want to withdraw from Current Account: 4000
New Current Account balance: ₹146,000.00

7.



The screenshot shows an IDE window titled 'ATM.java'. The code defines a package 'com.atm.project', imports 'java.io.IOException', and defines a class 'ATM' that extends 'Menu'. The 'main' method calls 'display()' and 'getLogin()'. The 'display()' method prints a welcome message and a menu with four options: View Balance, Withdraw Amount, Deposit Amount, and Exit. The console output shows the program running, displaying the menu, and the user selecting option 3 (Deposit Amount). It then shows the current account balance as ₹146,000.00, the deposit amount as 2000, and the new balance as ₹148,000.00.

```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

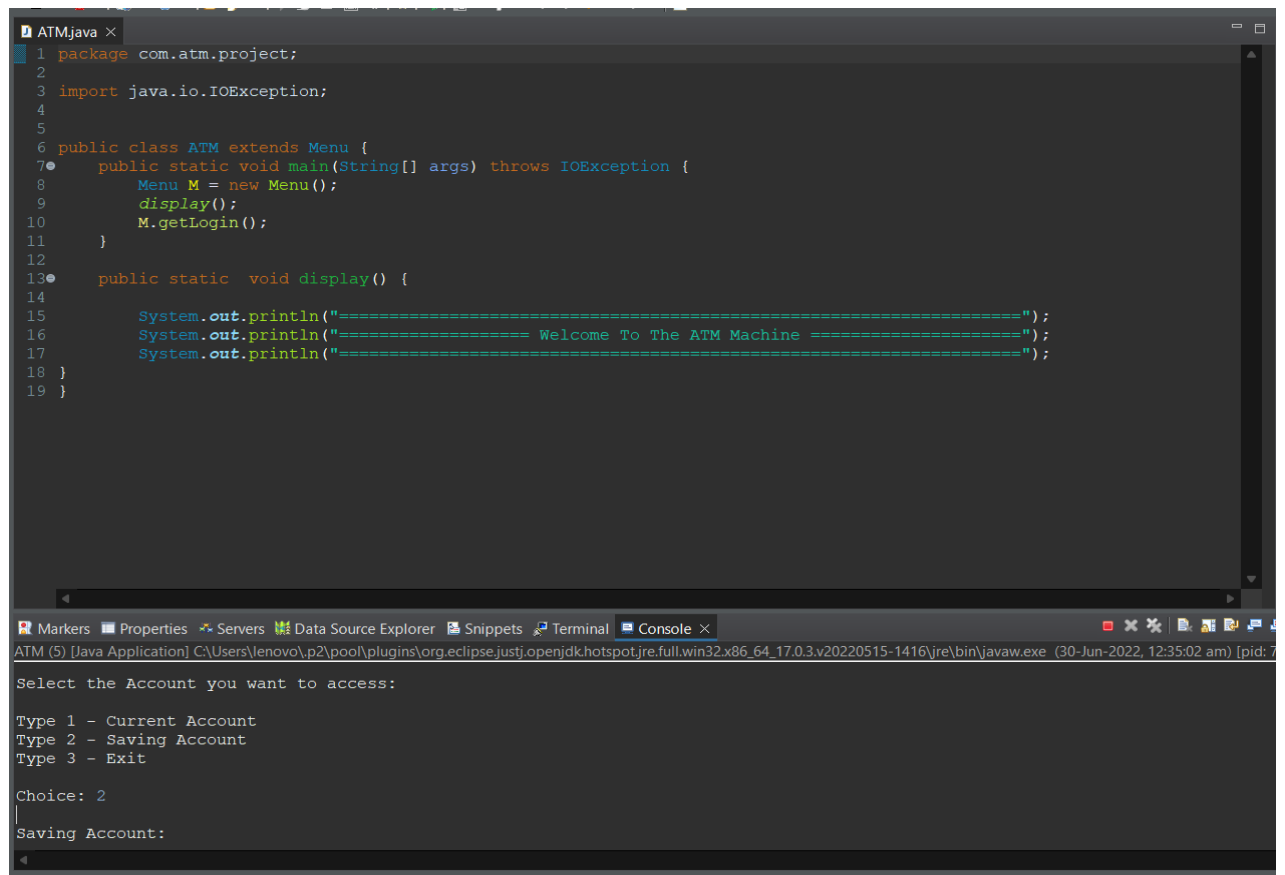
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ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7...]

Type 1 - View Balance
Type 2 - Withdraw Amount
Type 3 - Deposit Amount
Type 4 - Exit

Choice: 3
Current Account Balance: ₹146,000.00
Amount you want to deposit in Current Account: 2000
New Current Account balance: ₹148,000.00

8.



The screenshot shows the same IDE window with the 'ATM.java' code. The console output shows the program running, displaying the menu, and the user selecting option 2 (Saving Account). It then prompts for the saving account details.

```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

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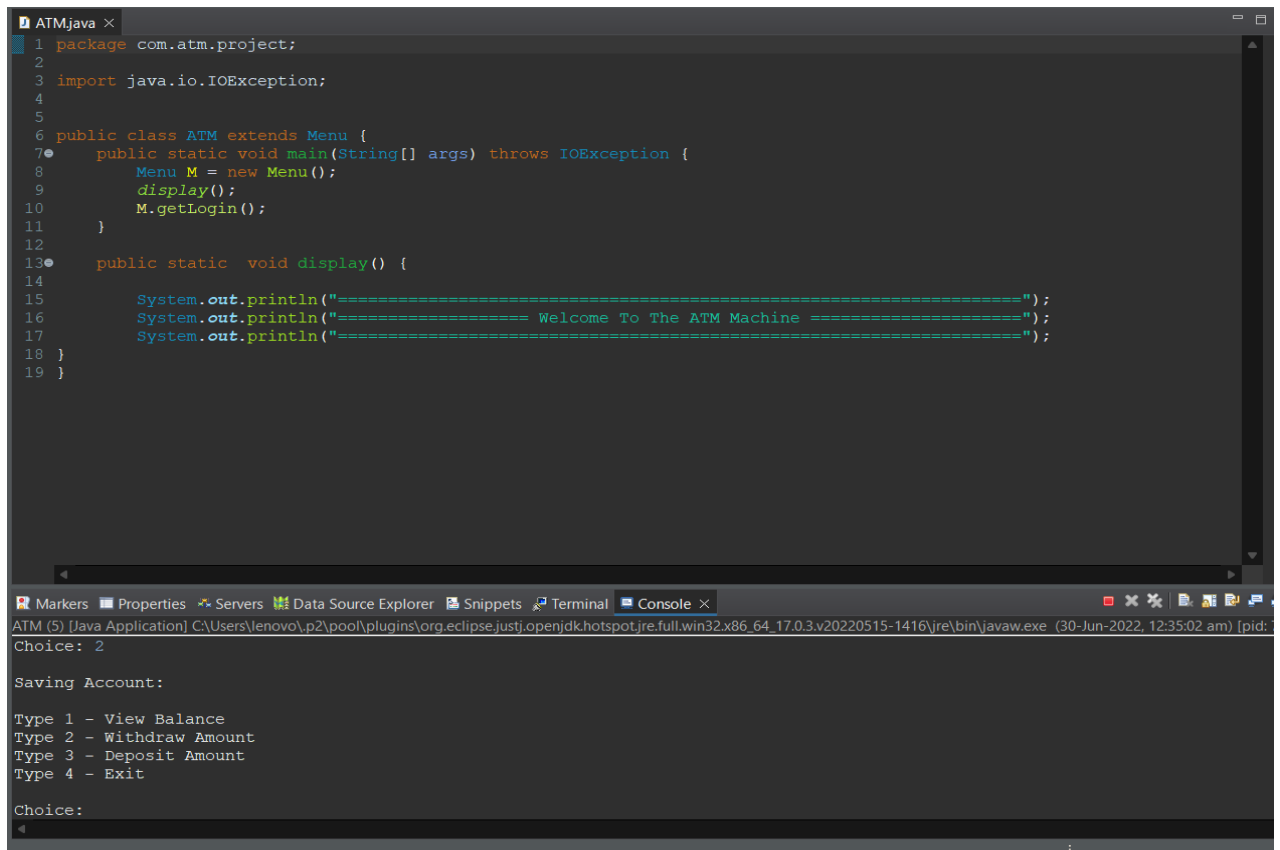
ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7...]

Select the Account you want to access:

Type 1 - Current Account
Type 2 - Saving Account
Type 3 - Exit

Choice: 2
Saving Account:

9.



The screenshot shows an IDE window titled 'ATM.java' with the following code:

```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

The console output shows the program running and displaying a menu:

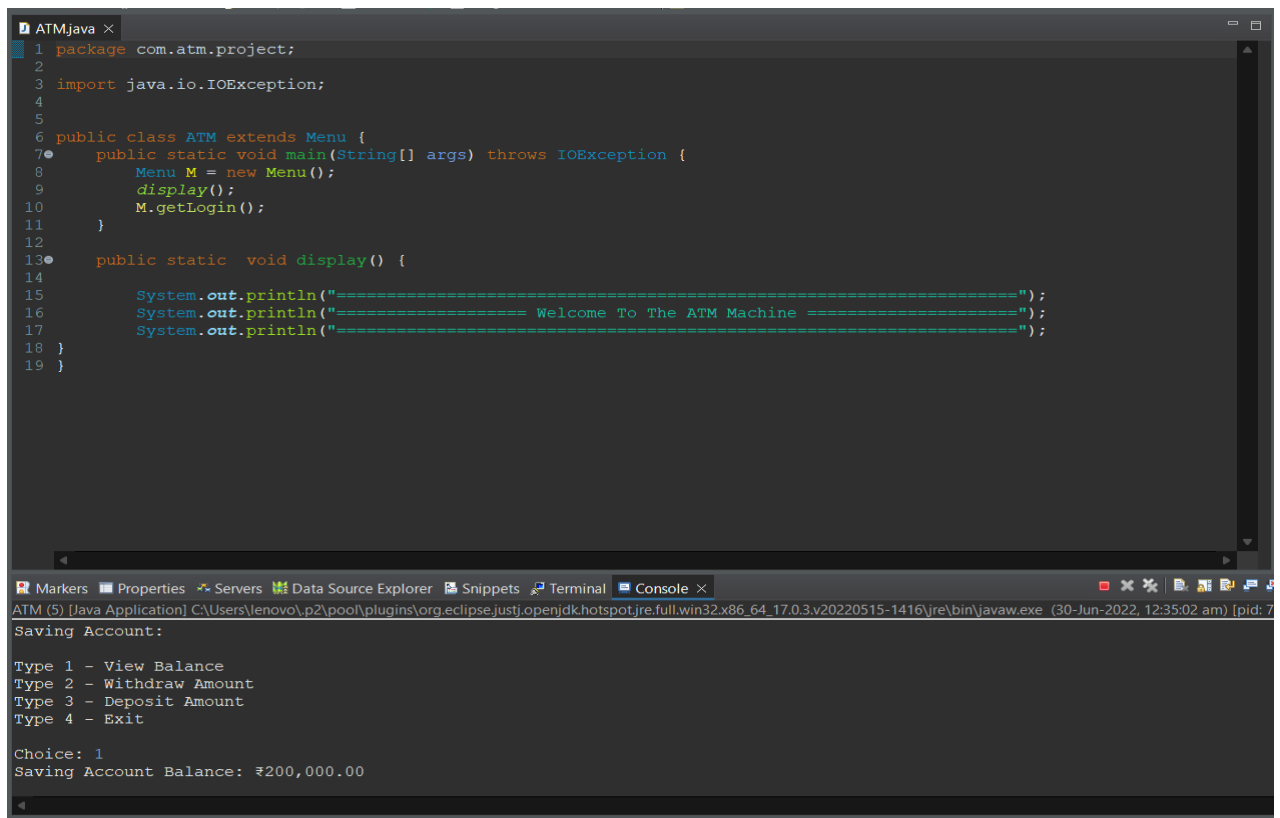
```
ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid:
Choice: 2

Saving Account:

Type 1 - View Balance
Type 2 - Withdraw Amount
Type 3 - Deposit Amount
Type 4 - Exit

Choice:
```

10.



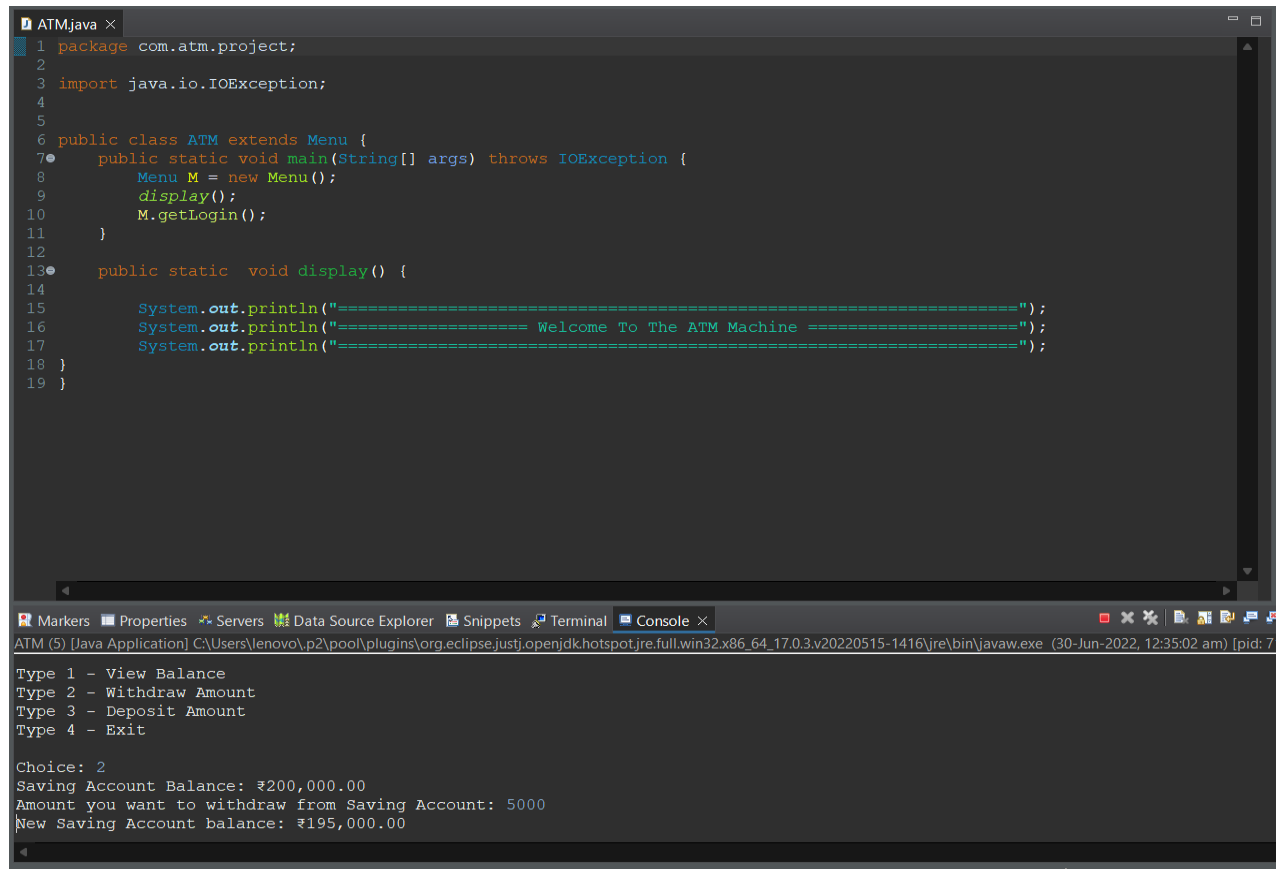
The screenshot shows the same IDE window with the same code as in the previous image. The console output shows the program running and displaying a menu, with the user selecting option 1:

```
ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7
Saving Account:

Type 1 - View Balance
Type 2 - Withdraw Amount
Type 3 - Deposit Amount
Type 4 - Exit

Choice: 1
Saving Account Balance: ₹200,000.00
```

11.



```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

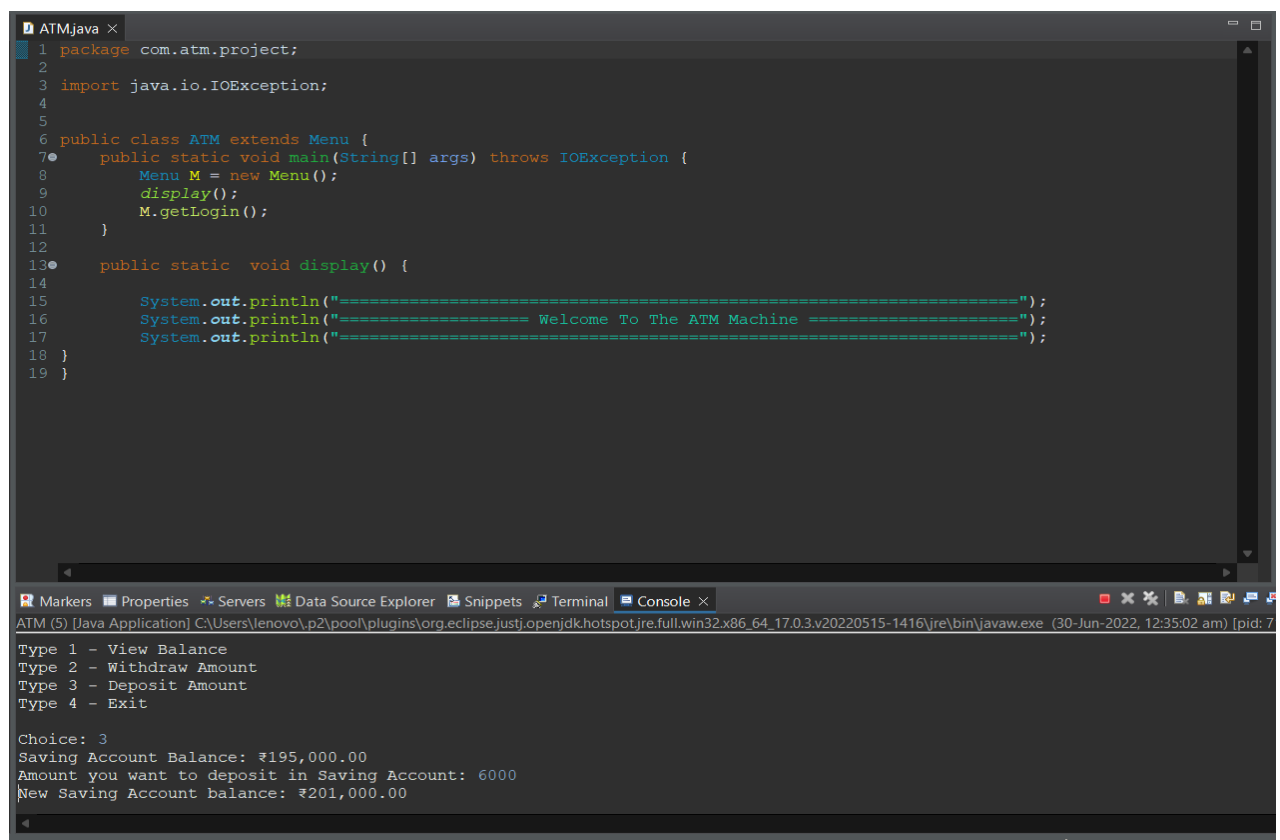
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ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7

Type 1 - View Balance
Type 2 - Withdraw Amount
Type 3 - Deposit Amount
Type 4 - Exit

Choice: 2
Saving Account Balance: ₹200,000.00
Amount you want to withdraw from Saving Account: 5000
New Saving Account balance: ₹195,000.00

12.



```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

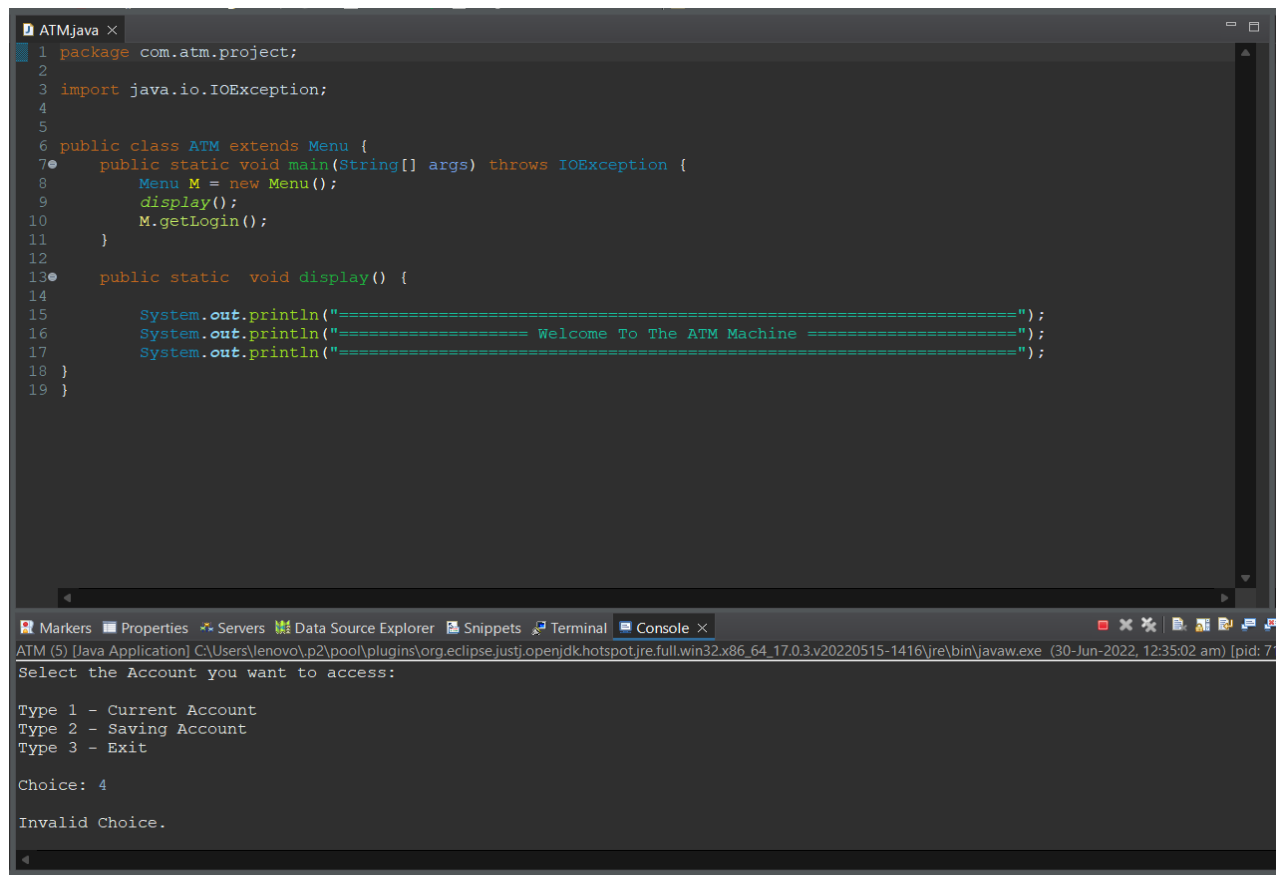
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ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7

Type 1 - View Balance
Type 2 - Withdraw Amount
Type 3 - Deposit Amount
Type 4 - Exit

Choice: 3
Saving Account Balance: ₹195,000.00
Amount you want to deposit in Saving Account: 6000
New Saving Account balance: ₹201,000.00

13.



```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

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ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7...]

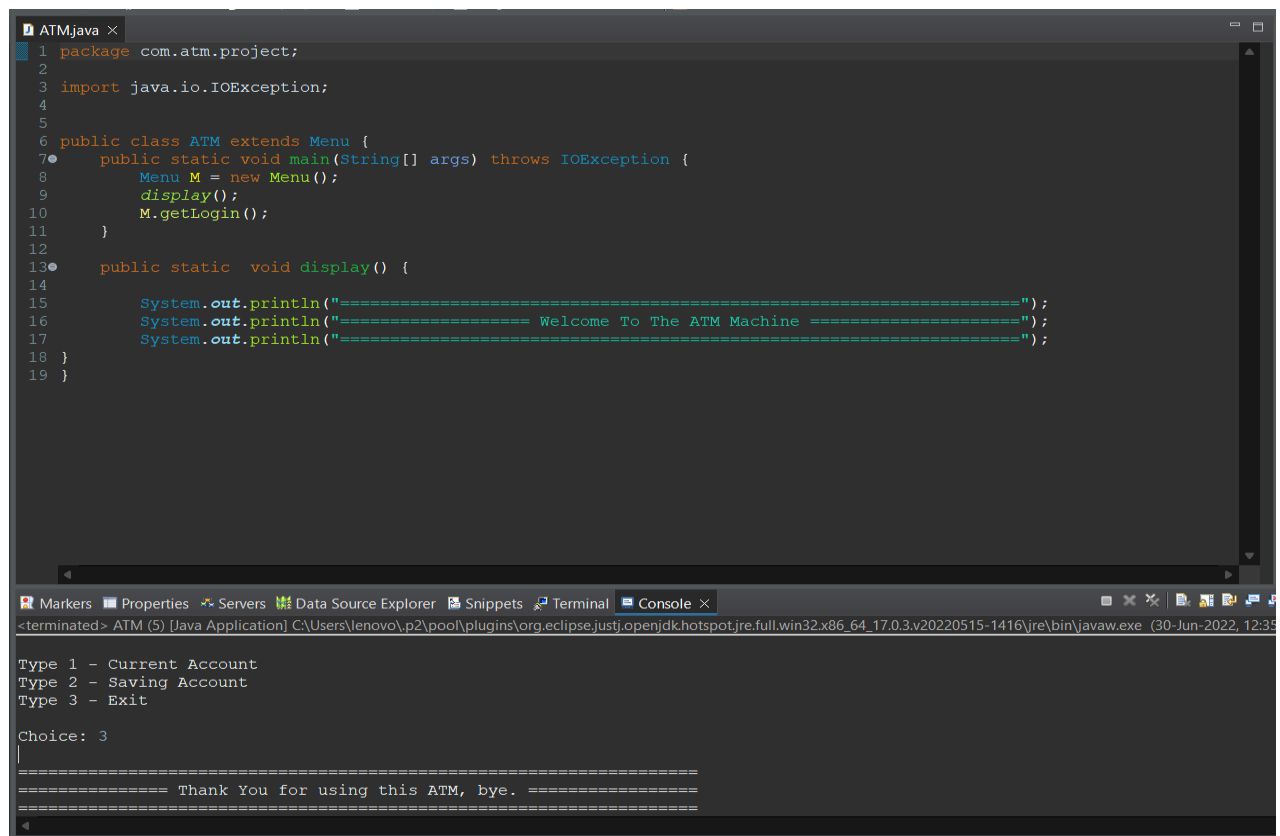
Select the Account you want to access:

Type 1 - Current Account
Type 2 - Saving Account
Type 3 - Exit

Choice: 4

Invalid Choice.

14.



```
1 package com.atm.project;
2
3 import java.io.IOException;
4
5
6 public class ATM extends Menu {
7     public static void main(String[] args) throws IOException {
8         Menu M = new Menu();
9         display();
10        M.getLogin();
11    }
12
13    public static void display() {
14
15        System.out.println("=====");
16        System.out.println("===== Welcome To The ATM Machine =====");
17        System.out.println("=====");
18    }
19 }
```

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<terminated> ATM (5) [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jun-2022, 12:35:02 am) [pid: 7...]

Type 1 - Current Account
Type 2 - Saving Account
Type 3 - Exit

Choice: 3

=====

===== Thank You for using this ATM, bye. =====

=====

Thank you.....