

Final Project Statement

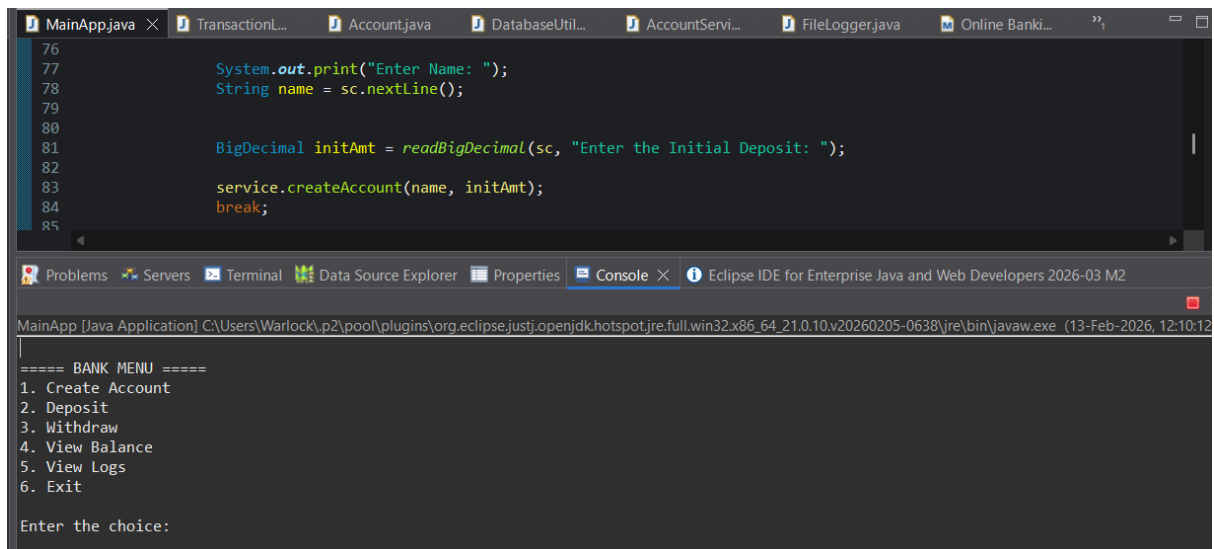
Course : Core Java

Project C

ONLINE BANKING TRANSACTION SYSTEM USING CORE JAVA AND JDBC

GITHUB: https://github.com/xrahulcrx/Online_Banking/

Screenshots:



The screenshot shows the Eclipse IDE with several Java files open in the editor. The 'MainApp.java' file is active, displaying code for a banking system menu. The code includes prompts for user name and initial deposit, and a call to a service to create an account. Below the code editor, the 'Console' tab is selected, showing the program's output. The output displays a 'BANK MENU' with six options: 1. Create Account, 2. Deposit, 3. Withdraw, 4. View Balance, 5. View Logs, and 6. Exit. The prompt 'Enter the choice:' is visible at the bottom of the console.

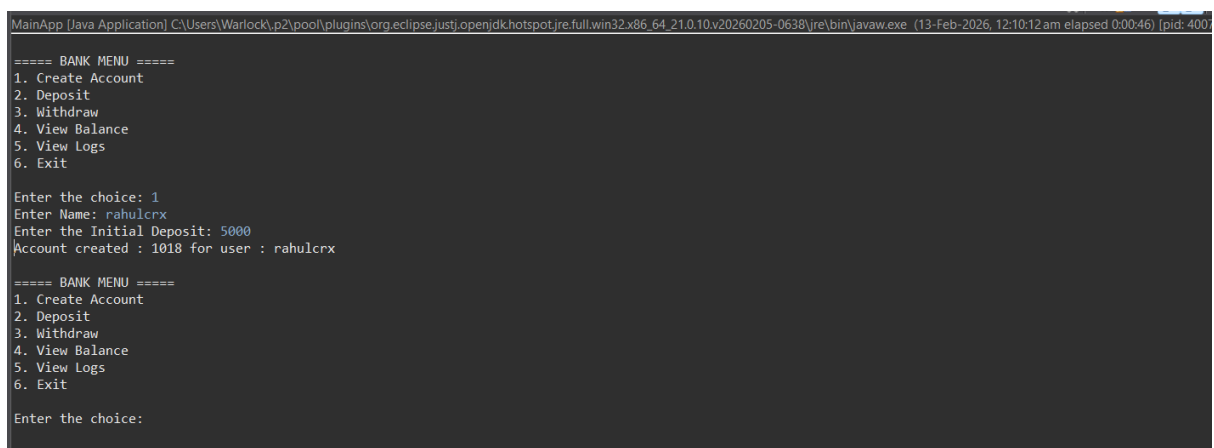
```
76
77     System.out.print("Enter Name: ");
78     String name = sc.nextLine();
79
80
81     BigDecimal initAmt = readBigDecimal(sc, "Enter the Initial Deposit: ");
82
83     service.createAccount(name, initAmt);
84     break;
85
```

Problems Servers Terminal Data Source Explorer Properties Console Eclipse IDE for Enterprise Java and Web Developers 2026-03 M2

MainApp [Java Application] C:\Users\Warlock\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.10.v20260205-0638\jre\bin\javaw.exe (13-Feb-2026, 12:10:12)

```
===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice:
```



This screenshot shows the console output after the user has interacted with the banking system. The user has selected option 1 (Create Account), entered the name 'raahulcrx', and entered an initial deposit of 5000. The system has successfully created an account with ID 1018 for the user 'raahulcrx'. The 'BANK MENU' is displayed again, and the prompt 'Enter the choice:' is shown at the bottom.

```
===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice: 1
Enter Name: raahulcrx
Enter the Initial Deposit: 5000
Account created : 1018 for user : raahulcrx

===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice:
```

```
MainApp [Java Application] C:\Users\Warlock\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.10.v20260205-0638\jre\bin\javaw.exe (13-Feb-2026, 12:10:12 am elapsed)
Enter the choice: 1
Enter Name: rahulcrx
Enter the Initial Deposit: 5000
Account created : 1018 for user : rahulcrx

===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice: 2
Enter the Account Number: 1018
Enter the Deposit Amount: 500
Deposit successful. Balance: 5500.00

===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice:
4
```

```
MainApp [Java Application] C:\Users\Warlock\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.10.v20260205-0638\jre\bin\javaw.exe (13-Feb-2026, 12:10:12 am elapsed)
Enter the choice: 2
Enter the Account Number: 1018
Enter the Deposit Amount: 500
Deposit successful. Balance: 5500.00

===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice: 3
Enter the Account Number: 1018
Enter the Withdrawal Amount: 4500
Withdrawal successful. New balance: 1000.00

===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice:
7
```

```
MainApp [Java Application] C:\Users\Warlock\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.10.v20260205-0638\jre\bin\javaw.exe (13-Feb-2026, 12:10:12 am elapsed)
Enter the choice: 3
Enter the Account Number: 1018
Enter the Withdrawal Amount: 4500
Withdrawal successful. New balance: 1000.00

===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice: 4
Enter the account number to check the balance: 1018
Account Holder Name: rahulcrx | Balance: 1000.00

===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice:
8
```

```
MainApp [Java Application] C:\Users\Warlock\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.21.0.10.v20260205-0638\jre\bin\javaw.exe (13-Feb-2026, 12:10:12 am elapsed 0:01:56) [pid: 400]

Enter the choice: 5

===== TRANSACTION LOGS =====
2026-02-12 23:32:36 | Account Number:1015 | Type:DEPOSIT | Amount:5000 | Balance:5000.00
2026-02-12 23:36:51 | Account Number:1015 | Type:DEPOSIT | Amount:5000 | Balance:5000.00
2026-02-12 23:39:08 | Account Number:1015 | Type:DEPOSIT | Amount:5000 | Balance:5000.00
2026-02-12 23:39:20 | Account Number:1015 | Type:DEPOSIT | Amount:5000 | Balance:10000.00
2026-02-12 23:39:29 | Account Number:1015 | Type:WITHDRAWAL | Amount:10 | Balance:9990.00
2026-02-12 23:49:36 | Account Number:1016 | Type:DEPOSIT | Amount:55000 | Balance:55150.00
2026-02-12 23:49:55 | Account Number:1016 | Type:WITHDRAWAL | Amount:50000 | Balance:5150.00
2026-02-13 00:03:35 | Account Number:1017 | Type:DEPOSIT | Amount:450 | Balance:950.00
2026-02-13 00:03:57 | Account Number:1017 | Type:DEPOSIT | Amount:4500 | Balance:5450.00
2026-02-13 00:04:34 | Account Number:1017 | Type:DEPOSIT | Amount:500 | Balance:5950.00
2026-02-13 00:04:42 | Account Number:1017 | Type:WITHDRAWAL | Amount:5000 | Balance:950.00
2026-02-13 00:11:17 | Account Number:1018 | Type:DEPOSIT | Amount:500 | Balance:5500.00
2026-02-13 00:11:41 | Account Number:1018 | Type:WITHDRAWAL | Amount:4500 | Balance:1000.00

===== BANK MENU =====
1. Create Account
2. Deposit
3. Withdraw
4. View Balance
5. View Logs
6. Exit

Enter the choice:
```

SQL:

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

| | account_number | account_holder_name | balance | created_at |
|---|----------------|---------------------|-----------|---------------------|
| | 1007 | Haven | 0.00 | 2026-02-12 18:22:09 |
| | 1008 | Raj D Rocks | 25.00 | 2026-02-12 18:23:27 |
| | 1009 | John H. Sel | 52.00 | 2026-02-12 18:23:39 |
| | 1010 | Rocks D | 0.00 | 2026-02-12 18:31:08 |
| | 1011 | Gena | 56.00 | 2026-02-12 18:31:21 |
| | 1012 | Rah | 1.00 | 2026-02-12 18:47:54 |
| | 1013 | sss | 0.00 | 2026-02-12 18:48:48 |
| | 1014 | Rahul D. | 227634.00 | 2026-02-12 19:32:20 |
| | 1015 | Rah | 9990.00 | 2026-02-12 23:32:29 |
| | 1016 | Raman | 5150.00 | 2026-02-12 23:49:20 |
| | 1017 | Rage | 950.00 | 2026-02-13 00:03:26 |
| | 1018 | rahulcrx | 1000.00 | 2026-02-13 00:10:53 |
| * | NULL | NULL | NULL | NULL |

accounts 15

tables

Limit to 2000 rows

28

29

30

31

32

33 • select * from accounts;

34 • select * from transactions;

35

36

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

transactions 17