Final Project Statement

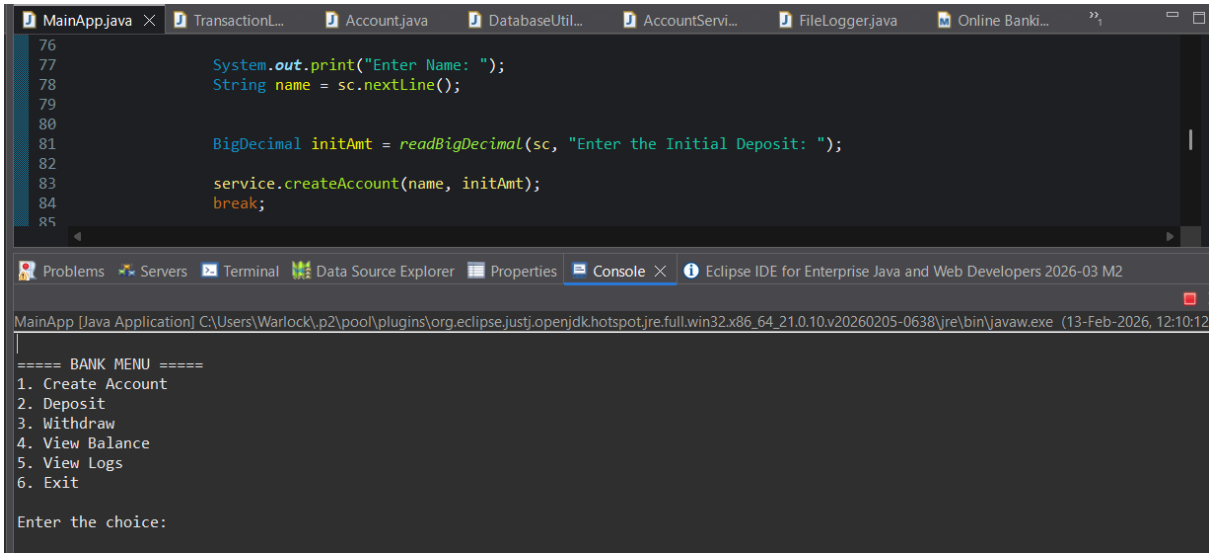
Course : Core Java

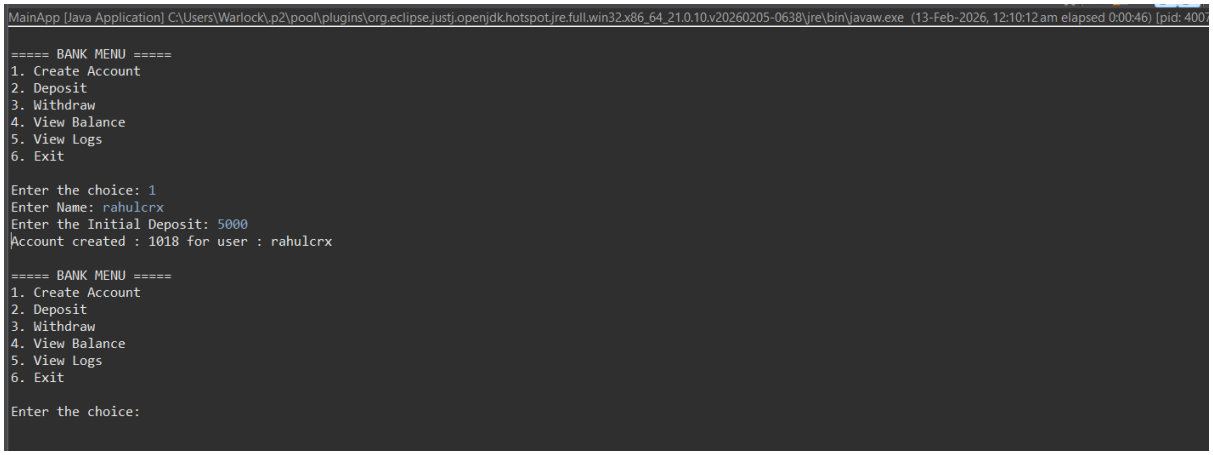
Project C

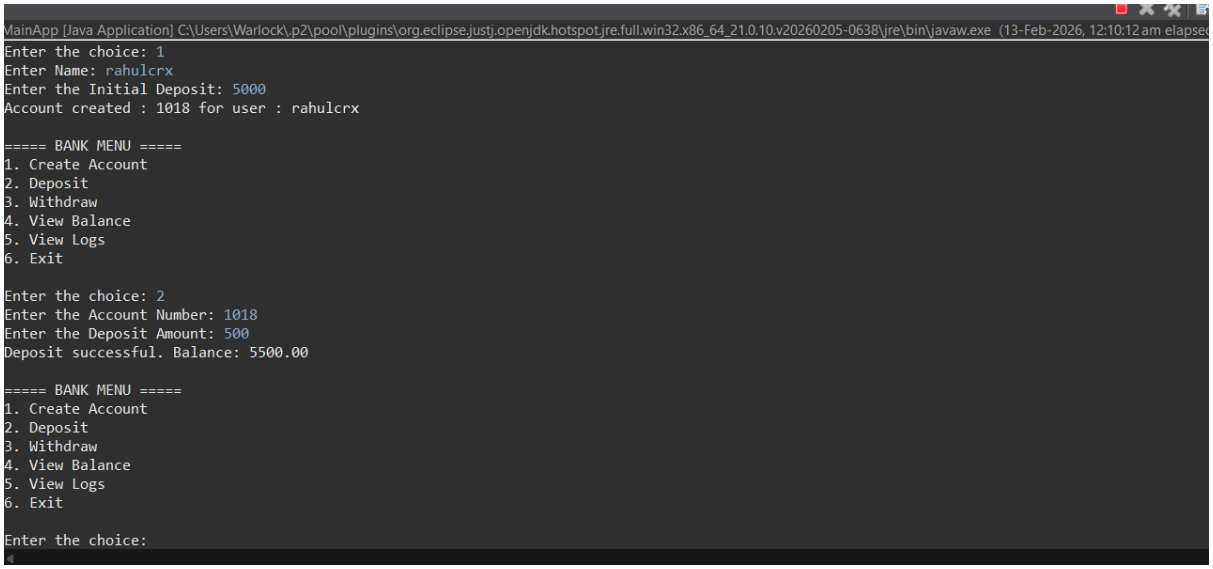
ONLINE BANKING TRANSACTION SYSTEM USING CORE JAVA AND JDBC

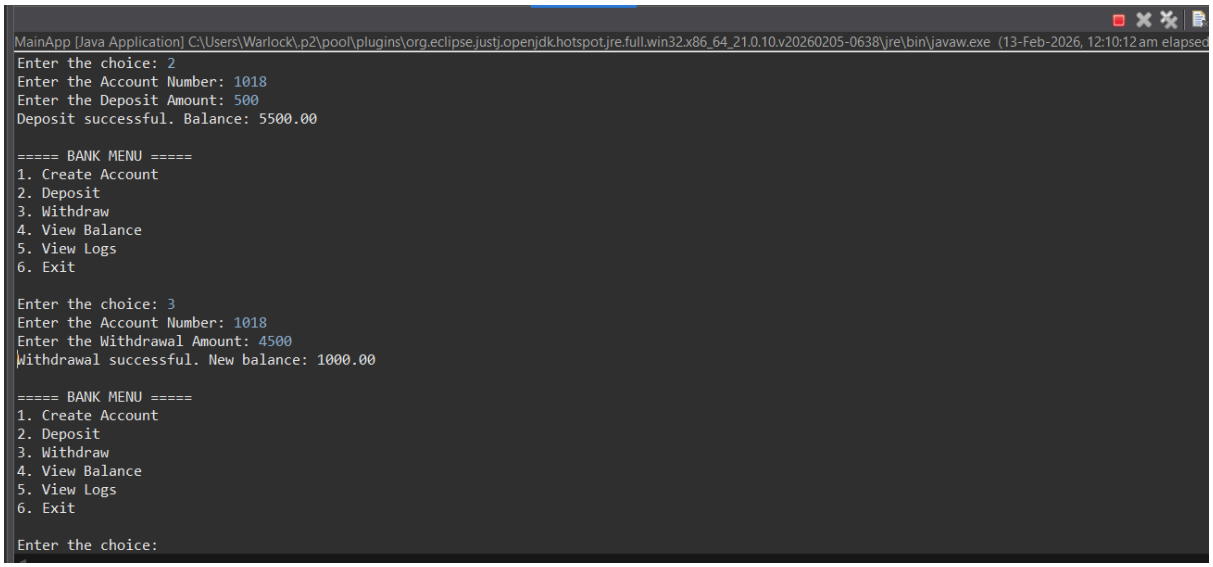
GITHUB: https://github.com/xrahulcrx/Online_Banking/

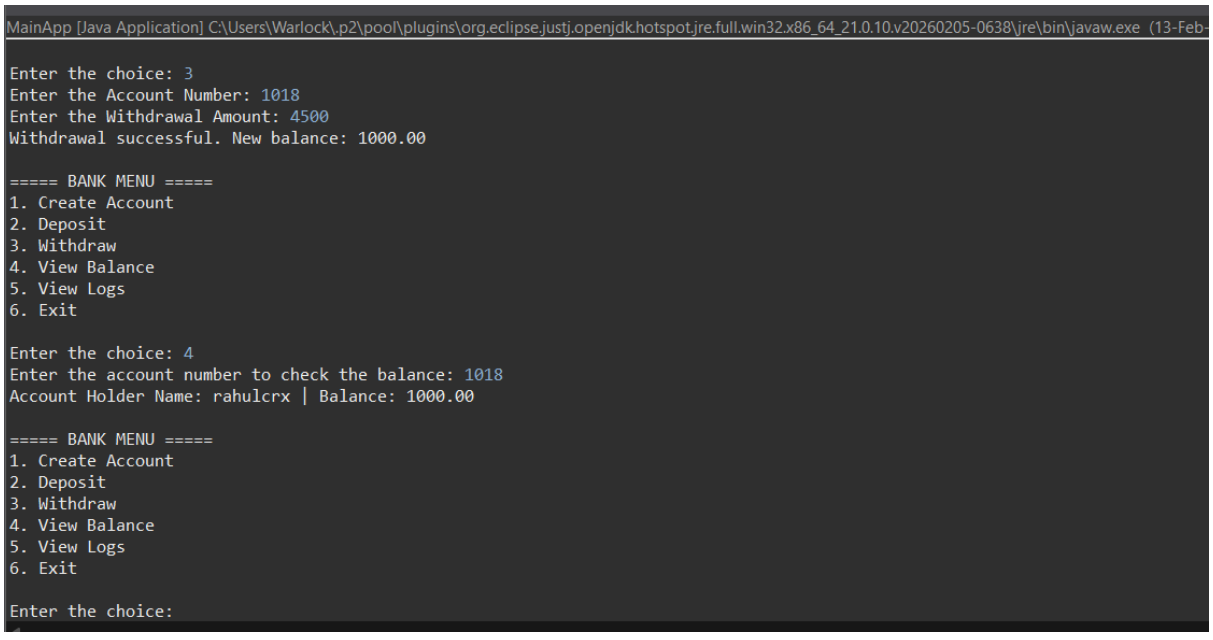
Screenshots:






MainApp [Java Application] C:\Users\Warlock\.p2\pool\plugins\org.eclipse.justj.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:


MainApp [Java Application] C:\Users\Warlock\.p2\pool\plugins\org.eclipse.justj.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:


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

```
MainApp [Java Application] C:\Users\Warlock\.p2\pool\plugins\org.eclipse.justj.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: 40

Enter the choice: 5

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

transaction_id	account_number	transaction_type	amount	balance_after	transaction_time
20	1015	DEPOSIT	5000.00	5000.00	2026-02-12 23:36:51
21	1015	DEPOSIT	5000.00	5000.00	2026-02-12 23:39:08
22	1015	DEPOSIT	5000.00	10000.00	2026-02-12 23:39:20
23	1015	WITHDRAWAL	10.00	9990.00	2026-02-12 23:39:29
24	1016	DEPOSIT	55000.00	55150.00	2026-02-12 23:49:36
25	1016	WITHDRAWAL	50000.00	5150.00	2026-02-12 23:49:55
26	1017	DEPOSIT	450.00	950.00	2026-02-13 00:03:35
27	1017	DEPOSIT	4500.00	5450.00	2026-02-13 00:03:57
28	1017	DEPOSIT	500.00	5950.00	2026-02-13 00:04:34
29	1017	WITHDRAWAL	5000.00	950.00	2026-02-13 00:04:42
30	1018	DEPOSIT	500.00	5500.00	2026-02-13 00:11:17
31	1018	WITHDRAWAL	4500.00	1000.00	2026-02-13 00:11:41
NULL	NULL	NULL	NULL	NULL	NULL

transactions 17