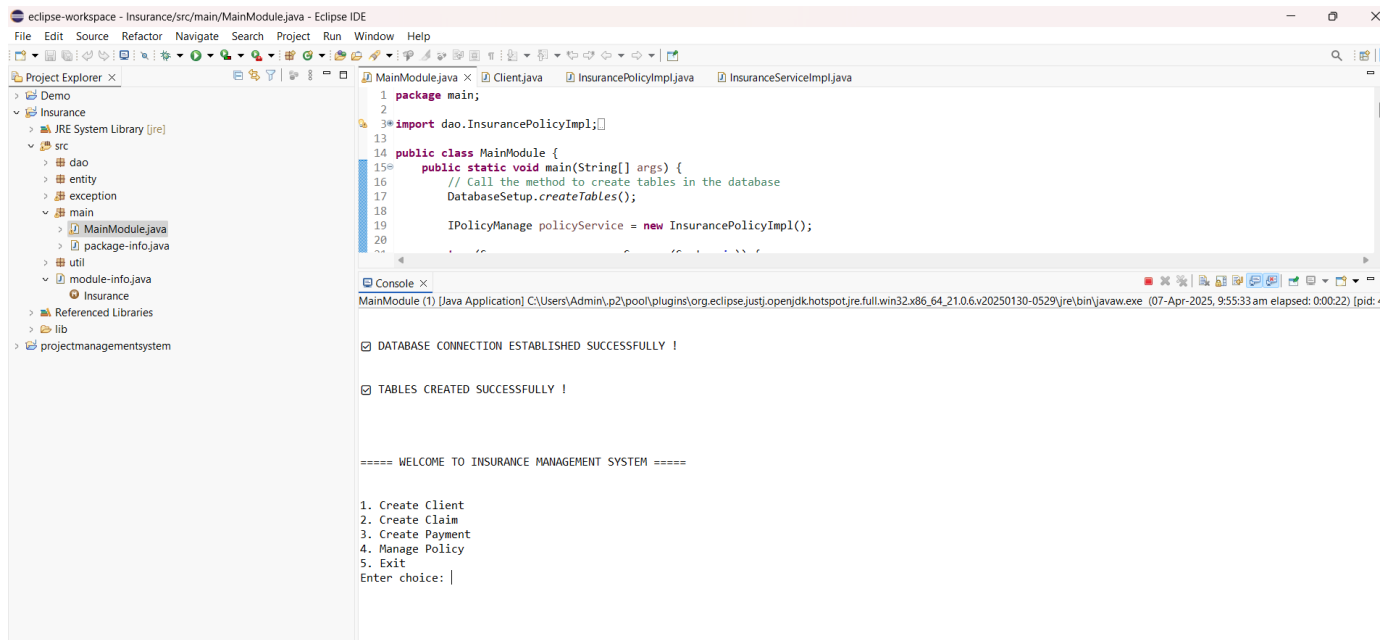


JAVA CODING CHALLENGE

INSURANCE MANAGEMENT SYSTEM

RUN AS APPLICATION



```
1 package main;
2
3 import dao.InsurancePolicyImpl;
4
5 public class MainModule {
6     public static void main(String[] args) {
7         // Call the method to create tables in the database
8         DatabaseSetup.createTables();
9
10        IPolicyManage policyService = new InsurancePolicyImpl();
11    }
12}
```

Console:

```
MainModule (1) [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.6.v20250130-0529\jre\bin\javaw.exe (07-Apr-2025, 9:55:33 am elapsed: 0:00:22) [pid: ...]

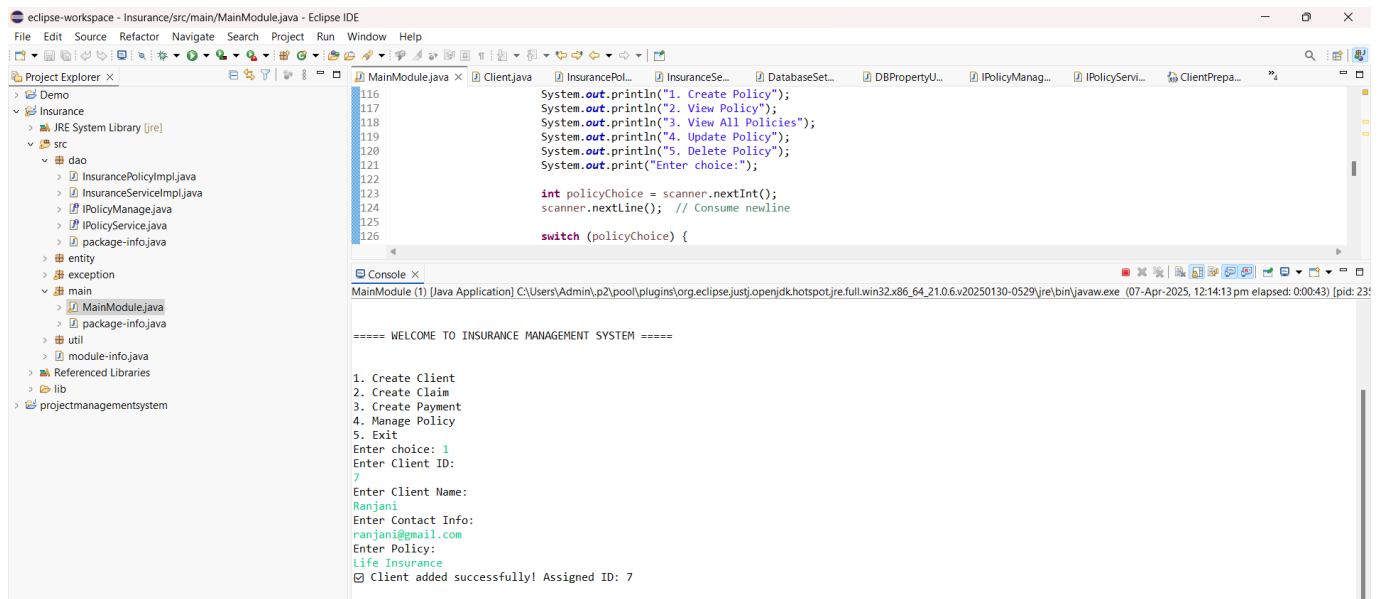
DATABASE CONNECTION ESTABLISHED SUCCESSFULLY !

TABLES CREATED SUCCESSFULLY !

===== WELCOME TO INSURANCE MANAGEMENT SYSTEM =====

1. Create Client
2. Create Claim
3. Create Payment
4. Manage Policy
5. Exit
Enter choice: |
```

Enter Choice 1 (Create Client)



```
116 System.out.println("1. Create Policy");
117 System.out.println("2. View Policy");
118 System.out.println("3. View All Policies");
119 System.out.println("4. Update Policy");
120 System.out.println("5. Delete Policy");
121 System.out.print("Enter choice:");
122
123 int policyChoice = scanner.nextInt();
124 scanner.nextLine(); // Consume newline
125
126 switch (policyChoice) {
```

Console:

```
MainModule (1) [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.6.v20250130-0529\jre\bin\javaw.exe (07-Apr-2025, 12:14:13 pm elapsed: 0:00:43) [pid: 2312]

===== WELCOME TO INSURANCE MANAGEMENT SYSTEM =====

1. Create Client
2. Create Claim
3. Create Payment
4. Manage Policy
5. Exit
Enter choice: 1
Enter Client ID:
7
Enter Client Name:
Ranjani
Enter Contact Info:
ranjani@gmail.com
Enter Policy:
Life Insurance
Client added successfully! Assigned ID: 7
```

Updated on SQL

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'insurance' and 'sys' databases. The main editor window shows a SQL script for an 'InsuranceManagementSystem' database. The script includes data insertion for a 'policy' table and a query to display table data. The 'Result Grid' at the bottom shows the output of the query, displaying columns 'clientId', 'clientName', 'contactInfo', and 'policy'.

```
88 ('2024-04-02', 0000, 2),
89 ('2024-04-03', 15000, 3),
90 ('2024-04-04', 5000, 4),
91 ('2024-04-05', 10000, 5);
92
93 /* Display table data */
94 SELECT * FROM User;
95 SELECT * FROM Client;
96 SELECT * FROM Claim;
97 SELECT * FROM Payment;
98 SELECT * FROM Policy;
99
100
```

clientId	clientName	contactInfo	policy
1	Akash	akash@gmail.com	Health Insurance
2	Karthick	karthick@yahoo.com	Car Insurance
3	Praneet	praneet@outlook.com	Home Insurance
4	Madhu	madhu@hotmail.com	Bike Insurance
5	Hindu	hindu@gmail.com	Car Insurance
6	Kowsika	kowsika@yahoo.com	Health Insurance
7	Ranjani	ranjani@gmail.com	Life Insurance

Enter Choice 2 (Create Claim)

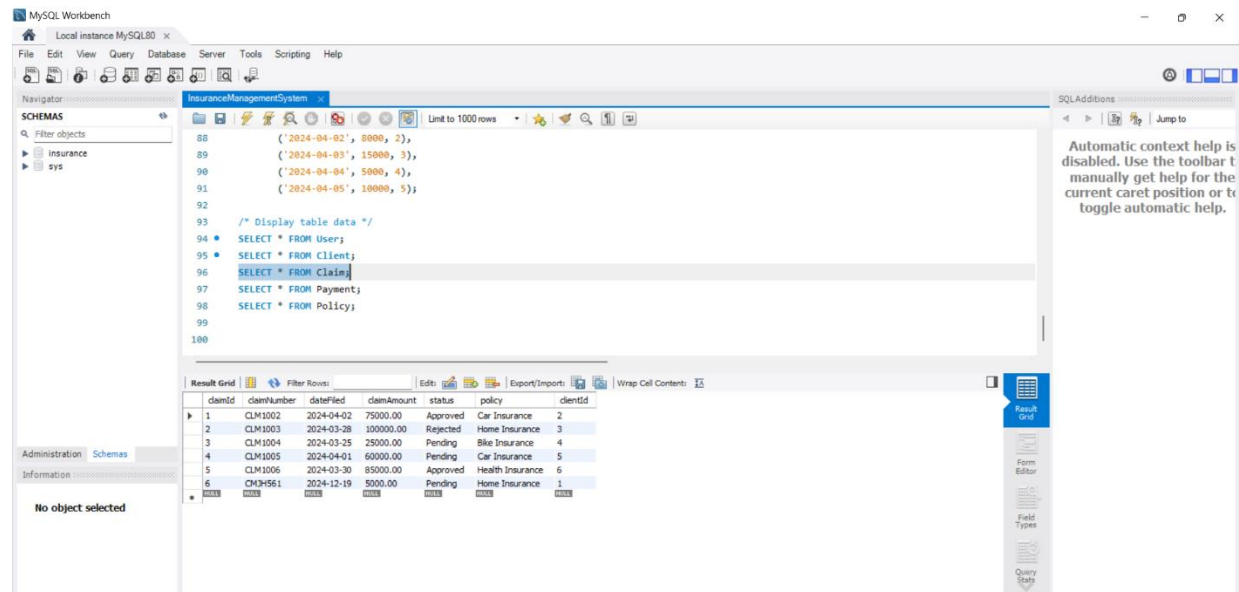
The screenshot shows the Eclipse IDE with the 'MainModule.java' file open. The code includes a menu system with options for creating a policy, viewing policies, updating policies, deleting policies, and creating a claim. The console output shows the user selecting '2' for 'Create Claim', entering a claim ID of '1', a claim number of 'C03H561', a date of '2024-12-19', a claim amount of '5000', a status of 'Pending', and a policy of 'Home Insurance'. The final output is 'Claim created successfully!'.

```
116 System.out.println("1. Create Policy");
117 System.out.println("2. View Policy");
118 System.out.println("3. View All Policies");
119 System.out.println("4. Update Policy");
120 System.out.println("5. Delete Policy");
121 System.out.print("Enter choice:");
122
123 int policyChoice = scanner.nextInt();
124 scanner.nextLine(); // Consume newline
125
126 public void createClaim() {
```

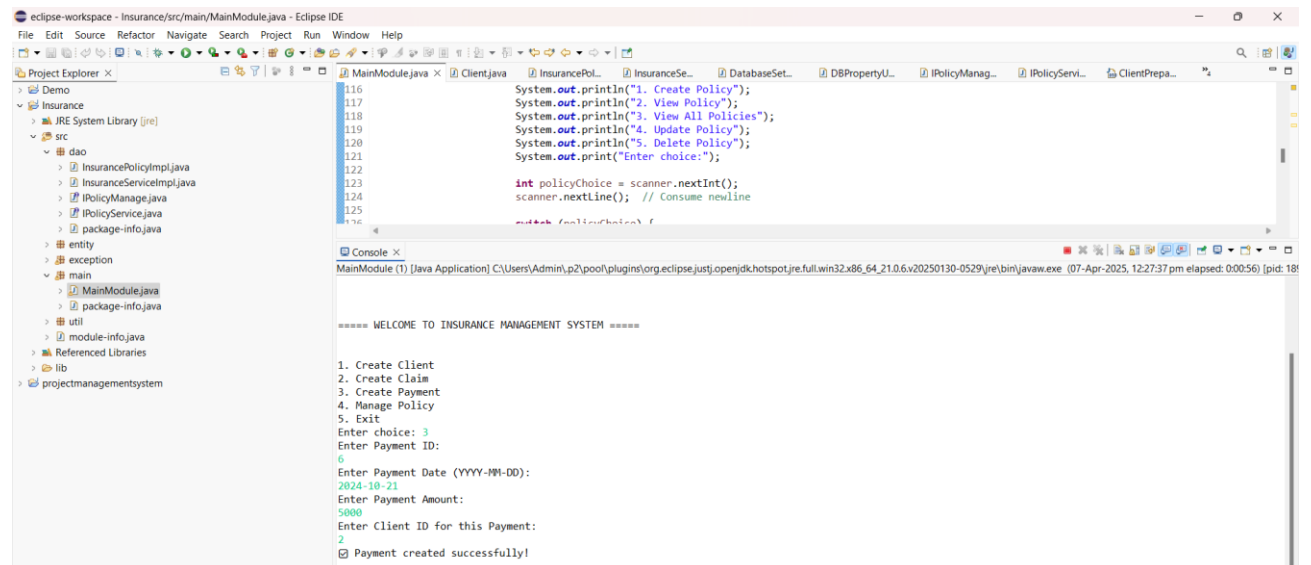
Console Output:

```
===== WELCOME TO INSURANCE MANAGEMENT SYSTEM =====
1. Create Client
2. Create Claim
3. Create Payment
4. Manage Policy
5. Exit
Enter choice: 2
Enter Claim ID:
1
Enter Claim Number:
C03H561
Enter Date Filed (YYYY-MM-DD):
2024-12-19
Enter Claim Amount:
5000
Enter Status:
Pending
Enter Policy:
Home Insurance
Enter Client ID for this Claim:
1
Claim created successfully!
```

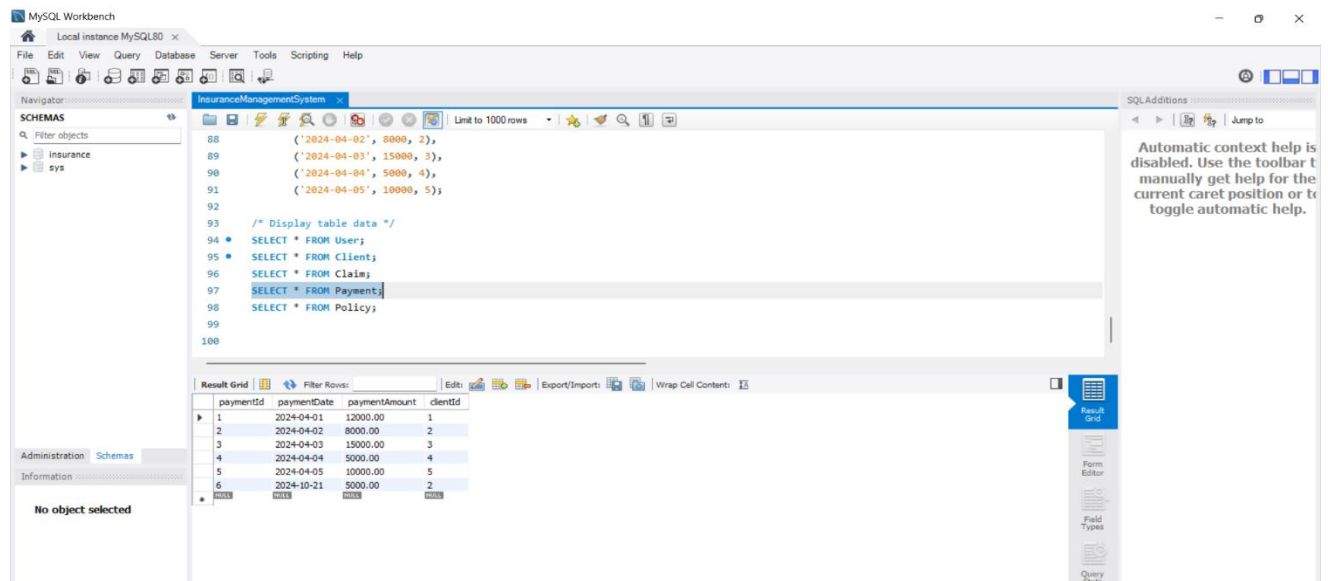
Updated on SQL



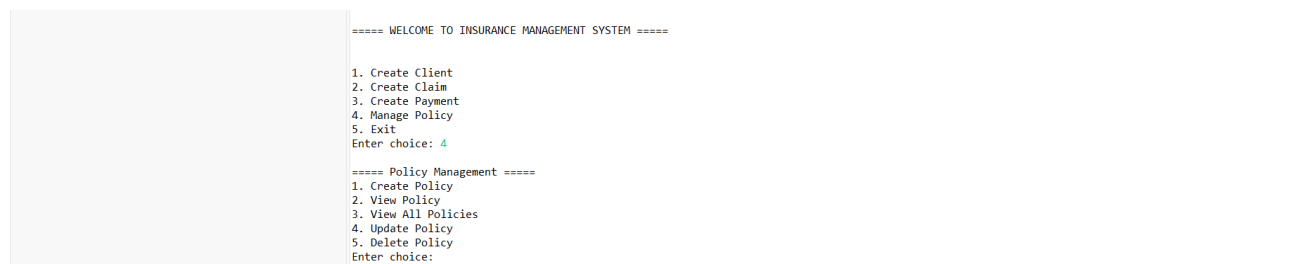
Enter Choice 3 (Create Payment)



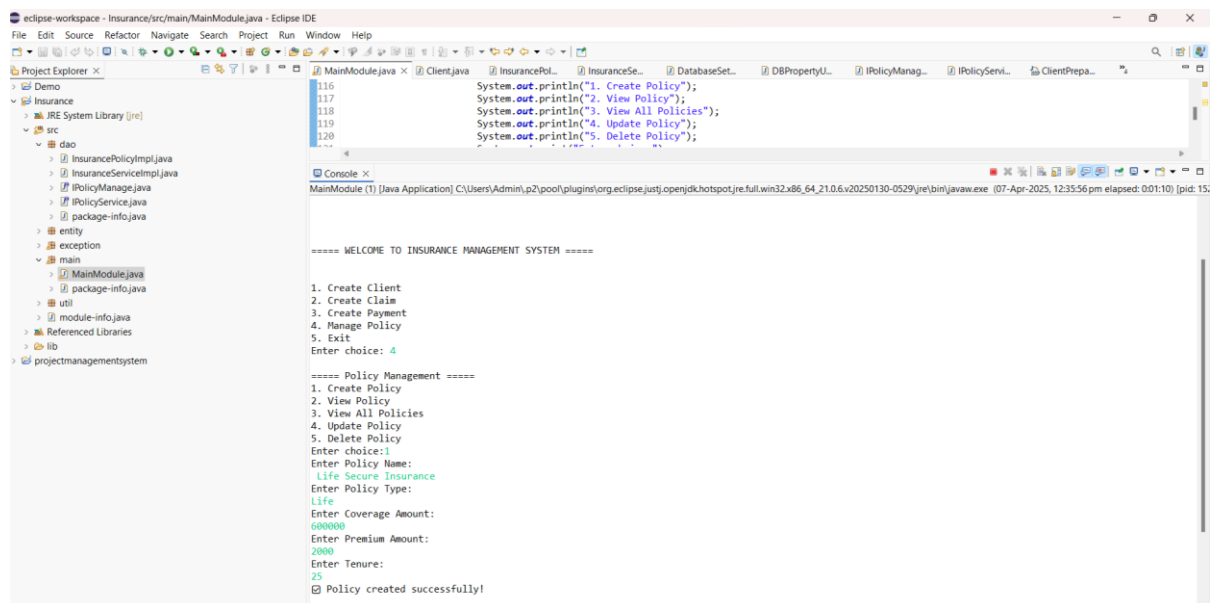
Updated on SQL



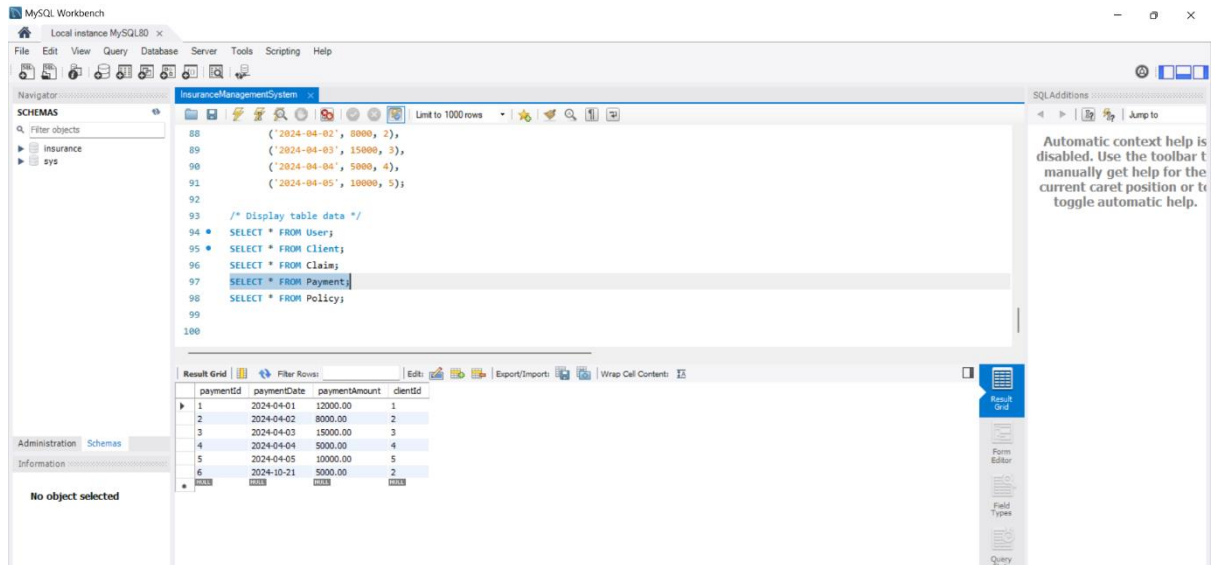
Enter Choice 4 (Manage Payment)



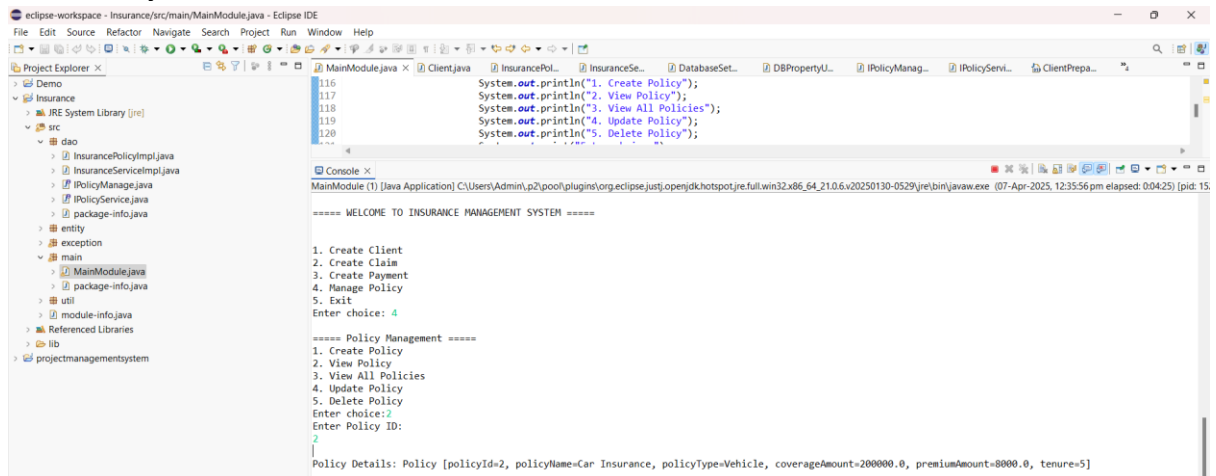
1. Create Policy



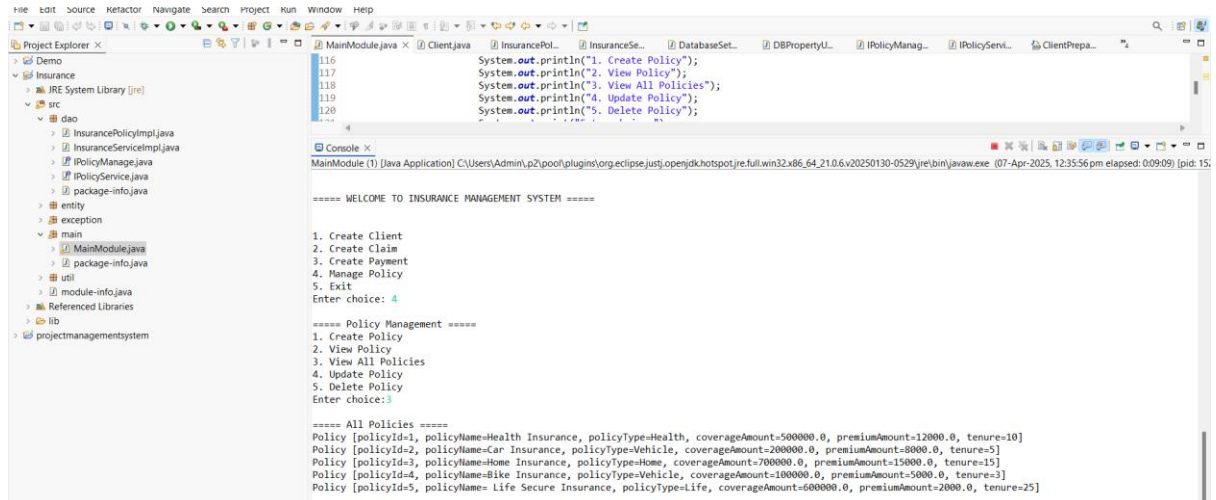
Updated on SQL



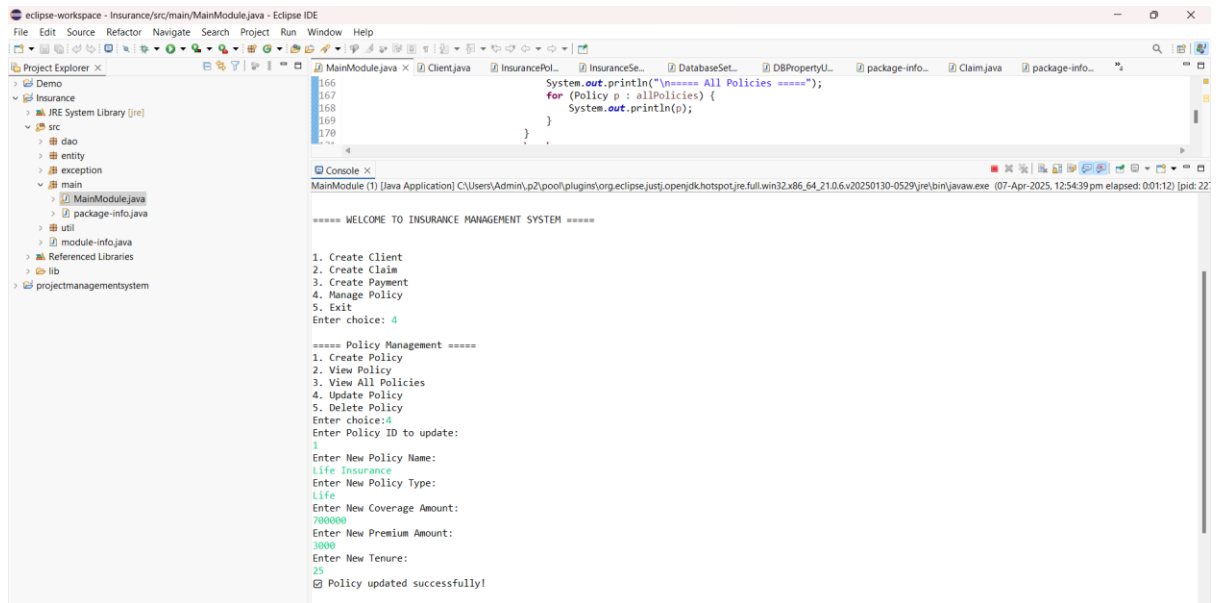
2. View Policy



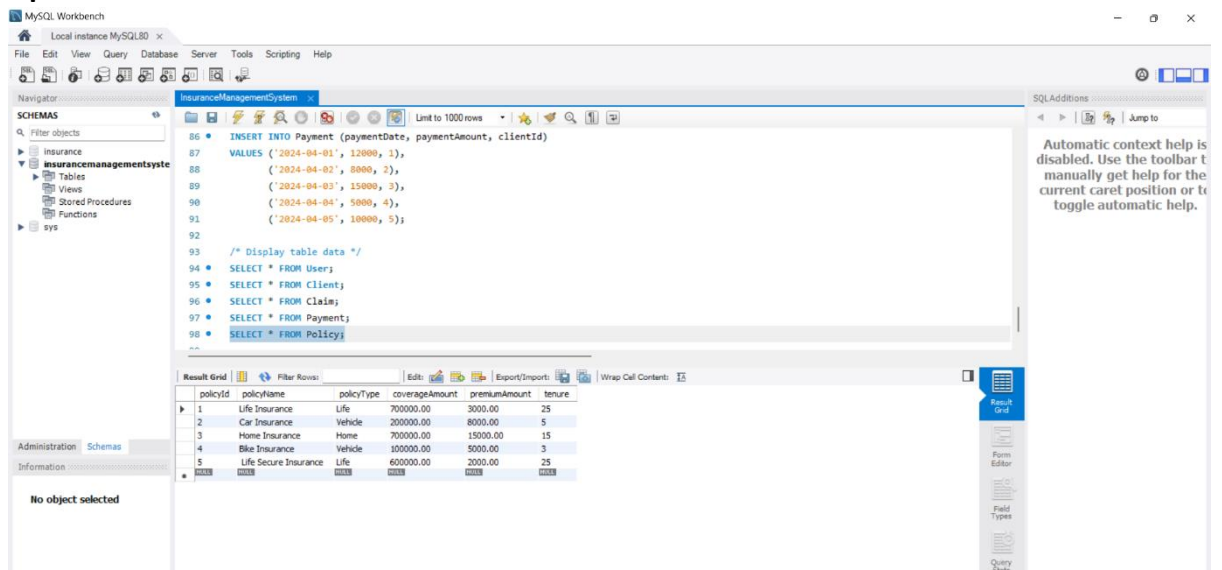
3. View All Policies



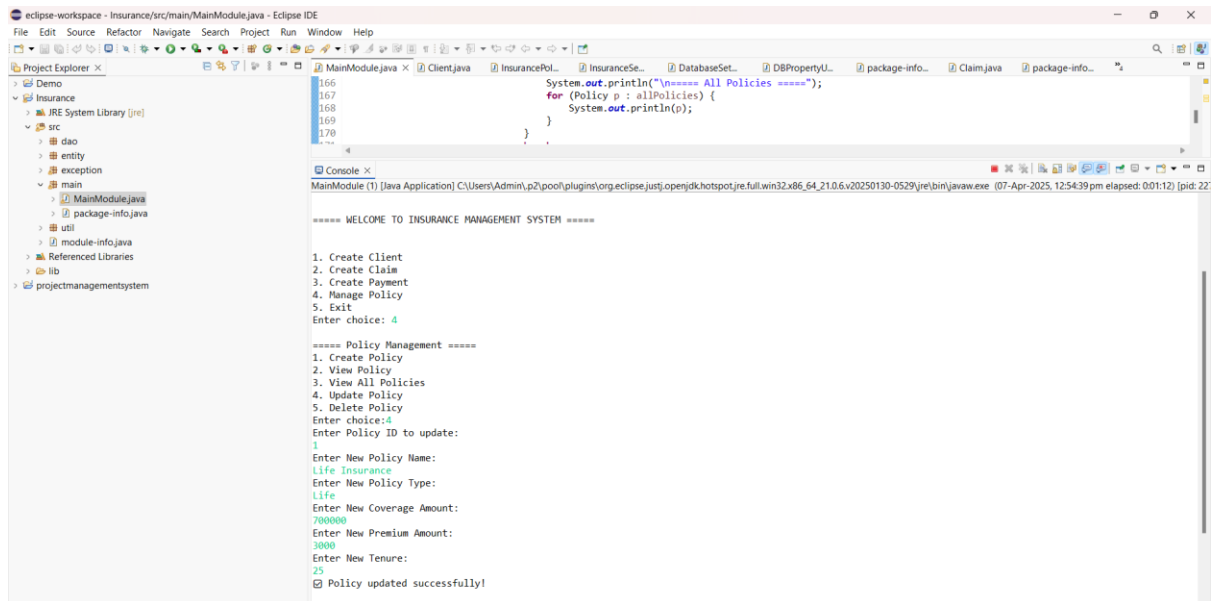
4. Update Policy



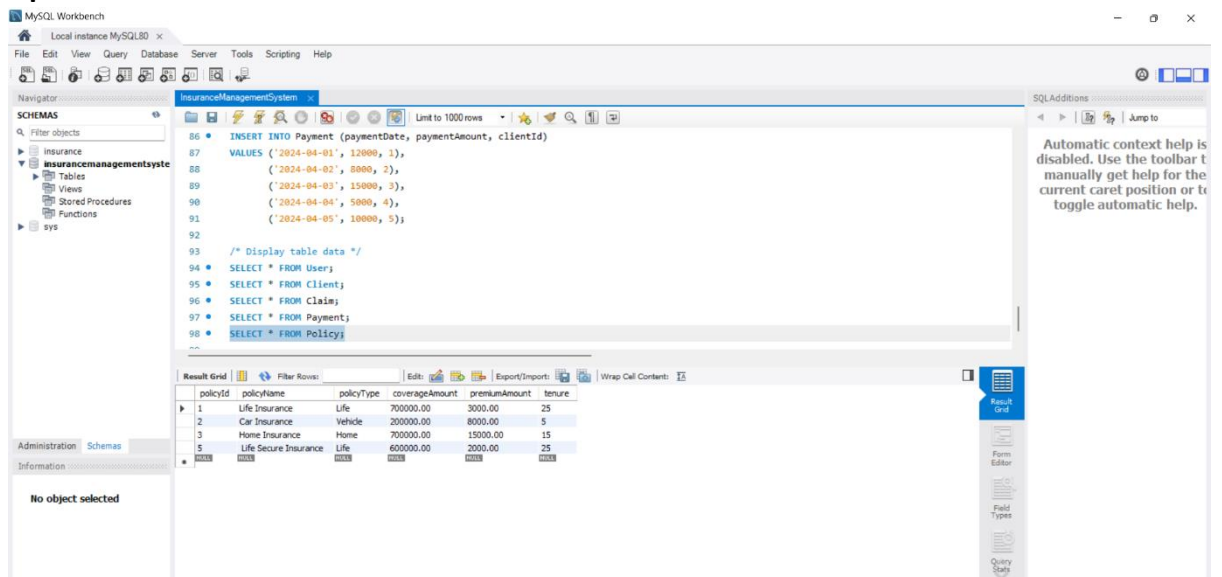
Updated on SQL



5. Delete Policy



Updated on SQL



Enter Choice 5(Exit)

