

Date: 11/06/2021

Experiment 13 : Oracle Database Connectivity

Walchand College of Engineering, Sangli

Department of Computer Science and Engineering

Course : Database Engineering Lab (5CS274) Year: 2020-21

Course Teacher : Ms. Sonali S. Rokade

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PRN No : 2019BTECS00029

Batch : S2

Link for Video :

<https://drive.google.com/file/d/1SqopnybuiH8xUpJPxYMFIAxY8qkIT-NN/view?usp=sharing>

Project Name : Ledger Accounting

Team member : 1) Harshal Kodgire 2) Shreyash Gaste

Screenshots for output of the application Ledger Accounting :

```
D:\SY\DBL\assignment13>javac LedgerAccounting.java

D:\SY\DBL\assignment13>java LedgerAccounting
Driver Loaded
system oracle
connection established
█
```

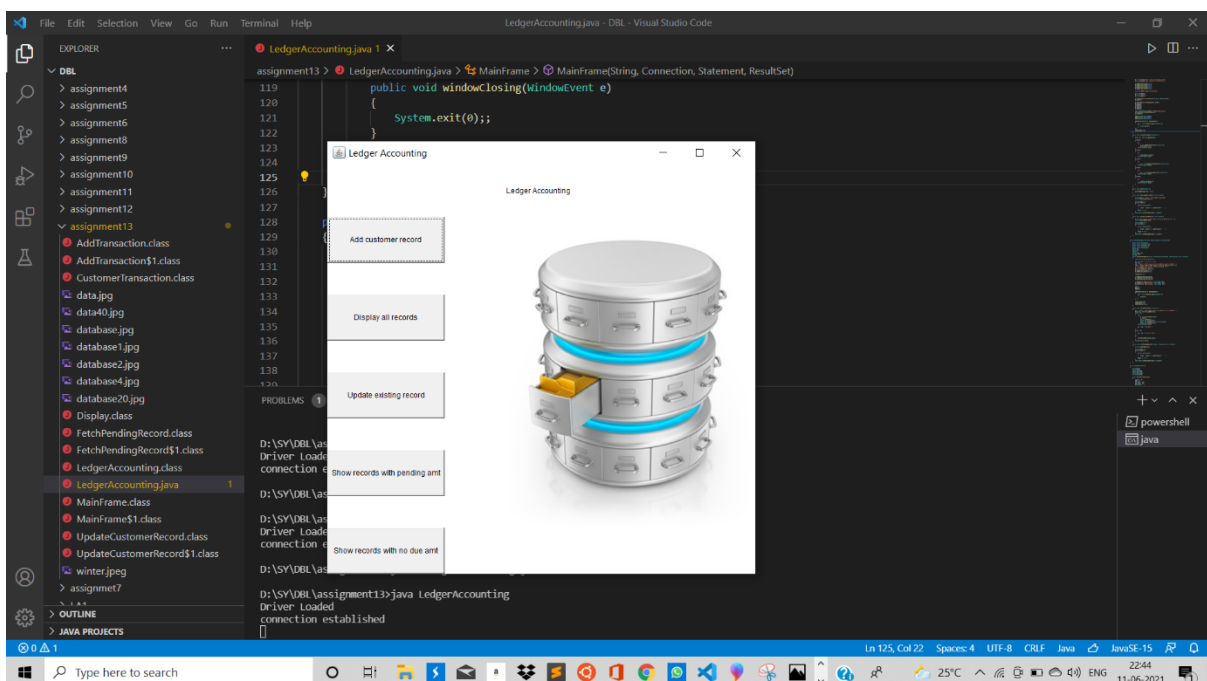
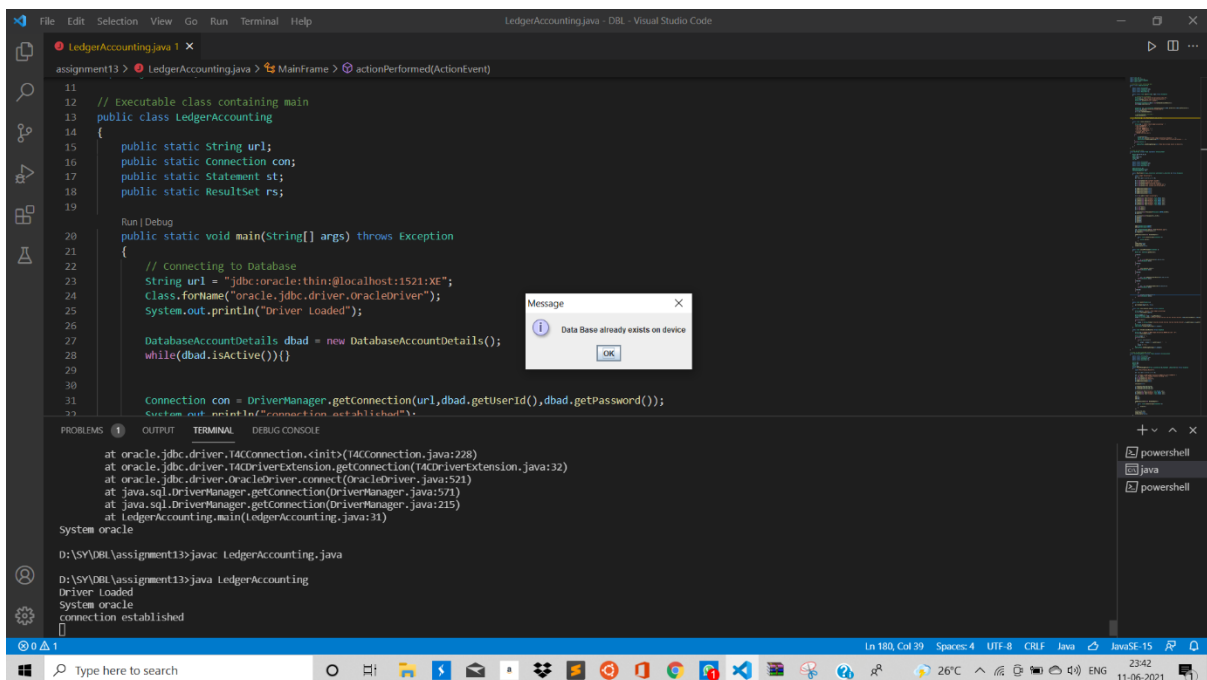


Database Login

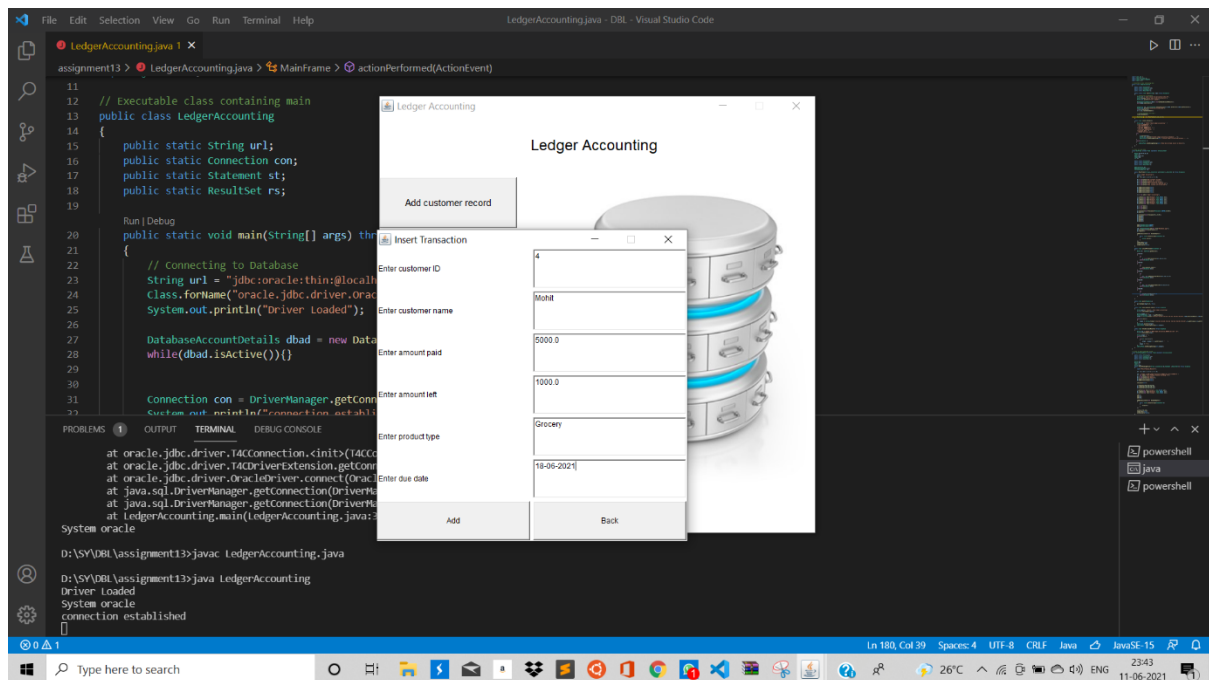
UserId/Connection: System

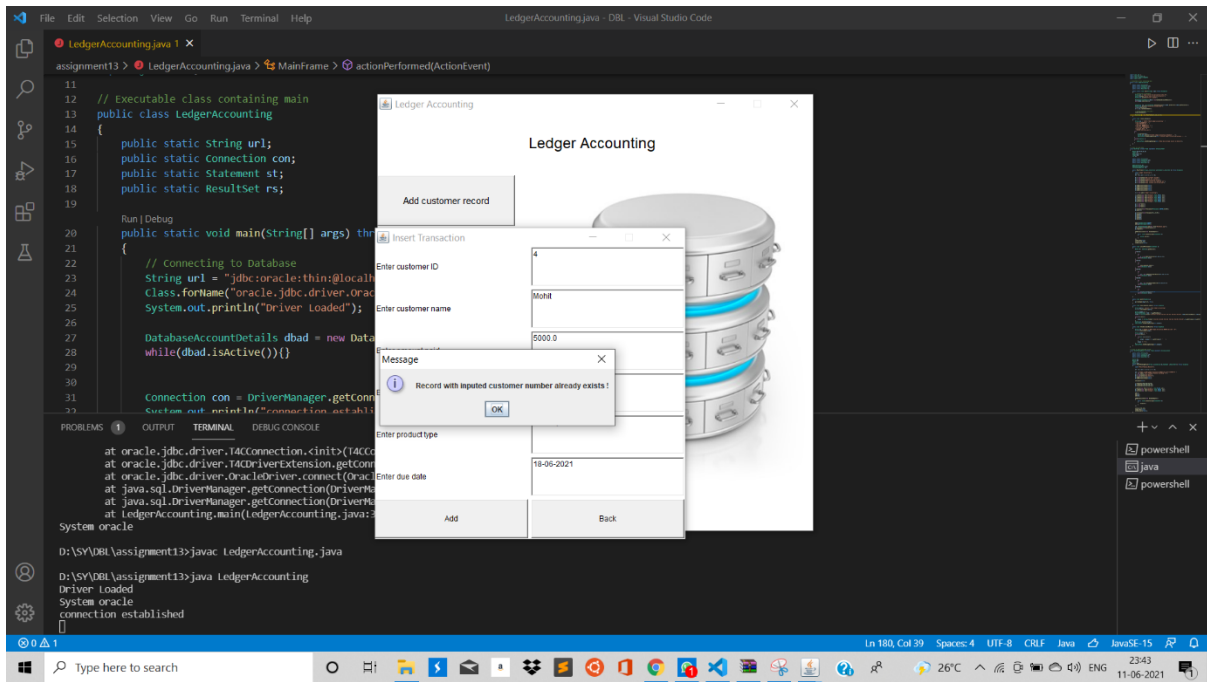
Password: oracle

Login Exit

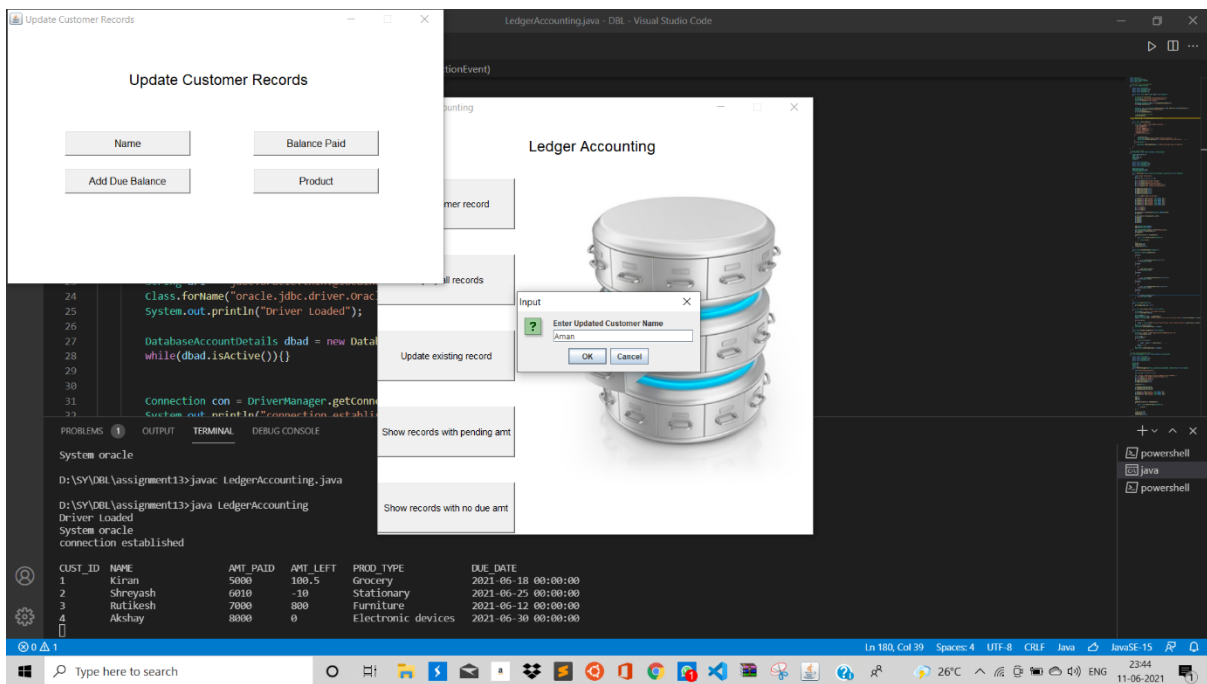


Adding new record :

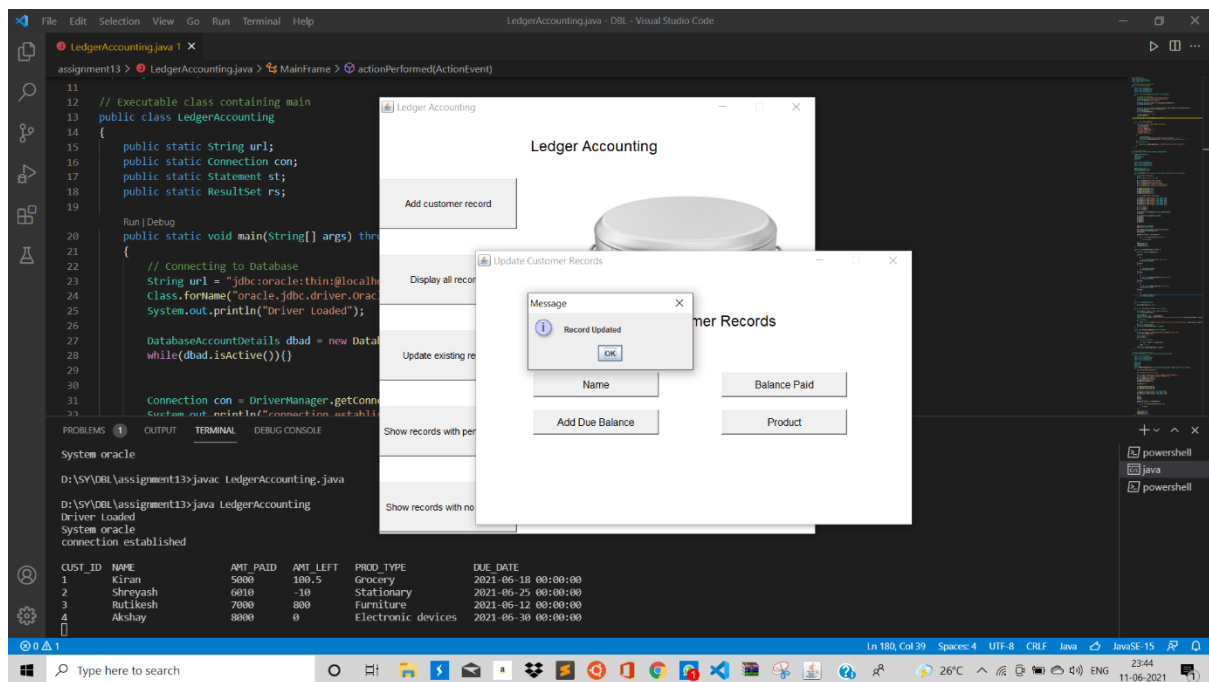
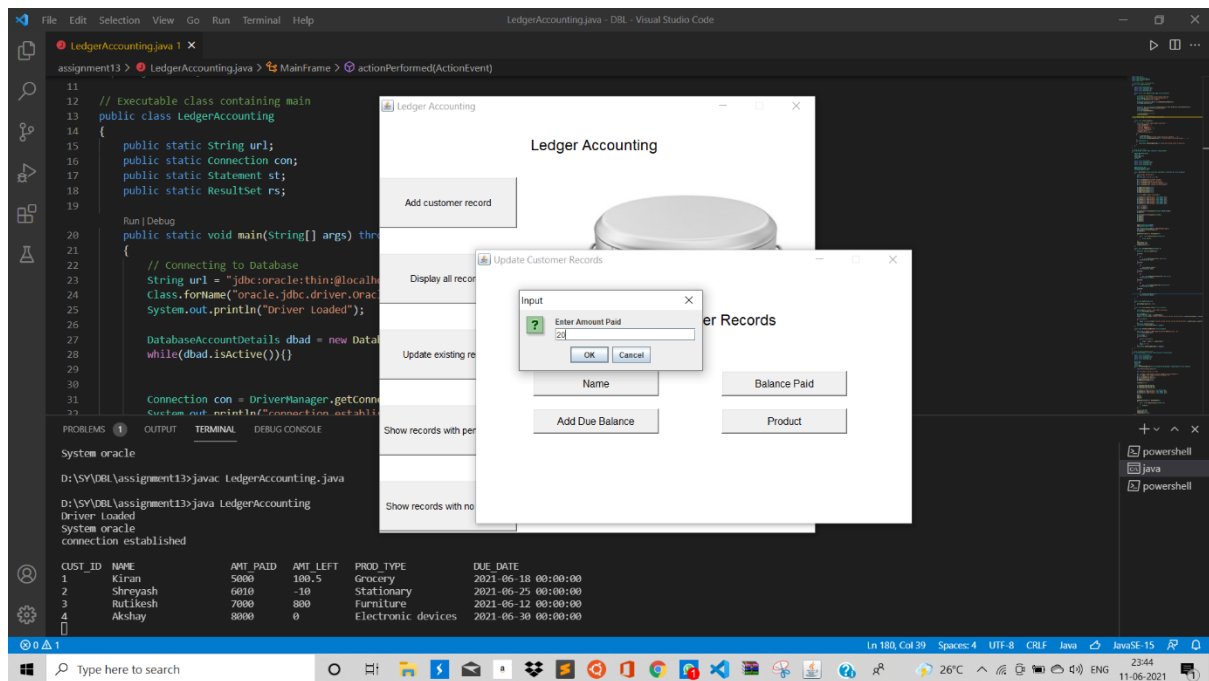




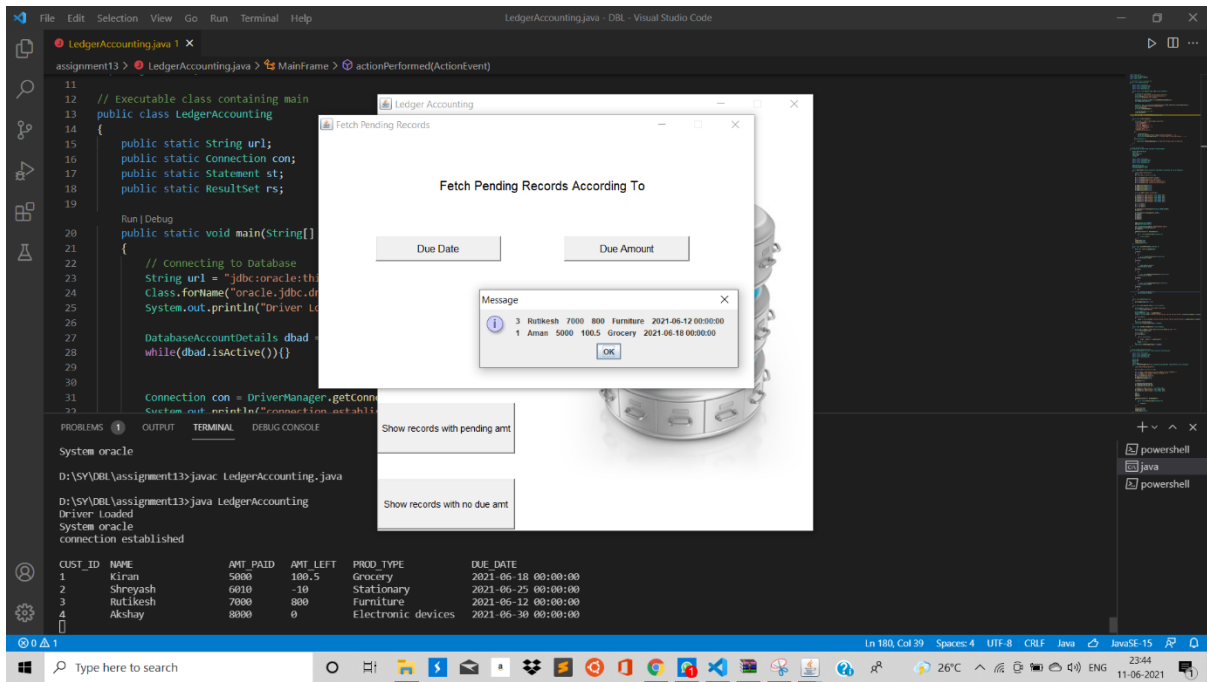
Updating name :



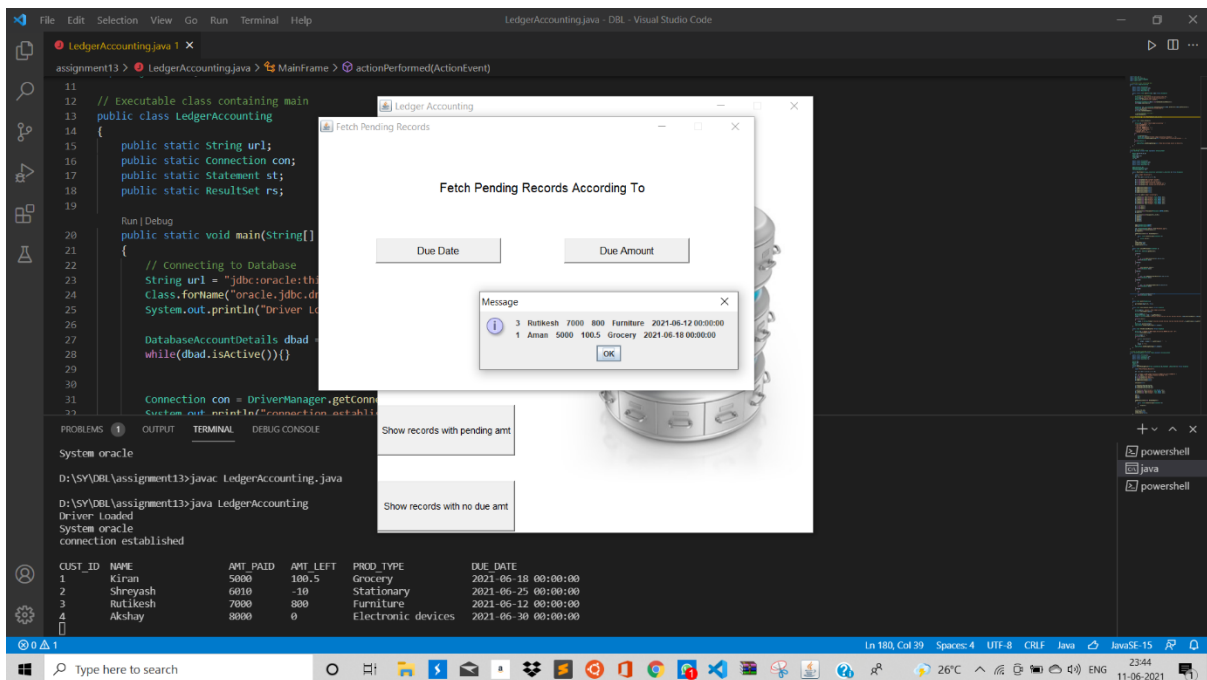
Updating Balance :



Fetching pending records with due date:



Fetching pending records with due amount:



Fetching all clear records :

The screenshot shows a Java application running in Visual Studio Code. The application is titled "Ledger Accounting" and displays a window with buttons for "Add customer record", "Display all records", "Update existing record", and "Show records with no due amt". A message box shows a record for "Akshay" with an amount of 8000. The terminal window shows the execution of the Java program, including database connection details and a table of records.

```
assignment13 > LedgerAccounting.java > MainFrame > actionPerformed(ActionEvent)
```

```
11
12 // Executable class containing main
13 public class LedgerAccounting
14 {
15     public static String url;
16     public static Connection con;
17     public static Statement st;
18     public static ResultSet rs;
19
20     Run | Debug
21     public static void main(String[] args) throws Exception
22     {
23         // Connecting to Database
24         String url = "jdbc:oracle:thin:@localhost:1521:xe";
25         Class.forName("oracle.jdbc.driver.OracleDriver");
26         System.out.println("Driver loaded");
27
28         DatabaseAccountDetails dbad = new DatabaseAccountDetails();
29         while (dbad.isActive()) {}
30
31         Connection con = DriverManager.getConnection(url, "system", "oracle");
32         System.out.println("connection established");
33     }
34 }
```

System oracle
D:\SY\DBL\assignment13>javac LedgerAccounting.java
D:\SY\DBL\assignment13>java LedgerAccounting
Driver loaded
System oracle
connection established

CUST_ID	NAME	AMT_PAID	AMT_LEFT	PROD_TYPE	DUE_DATE
1	Kiran	5000	100.5	Grocery	2021-06-18 00:00:00
2	Shreyash	6010	-10	Stationary	2021-06-25 00:00:00
3	Rutikesh	7000	800	Furniture	2021-06-12 00:00:00
4	Akshay	8000	0	Electronic devices	2021-06-30 00:00:00