NAME: MOUNVI PODAPATI REG. NO: 19BCE0396 COURSE CODE: CSE1007 FACULTY: LOKESH KUMAR

LAB ASSIGNMENT-5

(Q1)

```
import javafx.application.Application;
import javafx.geometry.Pos;
import javafx.scene.Scene;
import javafx.scene.Group;
import javafx.stage.Stage;
import javafx.scene.control.*;
import javafx.scene.layout.GridPane;
public class Question1 extends Application
      public static void main(String args[])
             Application. Launch(args);
      public void start(Stage primaryStage)
             Group root = new Group();
             Scene scene = new Scene(root, 300, 150);
             Label name = new Label("Name: Mounvi Podapati");
             Label id = new Label("ID: 19BCE0396");
             Label address = new Label("Address: Bangalore, India");
             Label phone = new Label("Phone: 9987654321");
             name.setStyle("-fx-background-color: white; -fx-text-fill: black;-
fx-font: normal bold 20px 'Times New Roman'; -fx-border-color: red; -fx-min-
width:250");
             id.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-
font: normal bold 20px 'Times New Roman';-fx-border-color: red;-fx-min-
width:250");
             address.setStyle("-fx-background-color: white; -fx-text-fill:
black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: red;-fx-min-
width:250");
             phone.setStyle("-fx-background-color: white; -fx-text-fill: black;-
fx-font: normal bold 20px 'Times New Roman'; -fx-border-color: red; -fx-min-
width:250");
            GridPane grid = new GridPane();
            grid.setAlignment(Pos.CENTER);
            grid.setMinSize(300, 150);
            grid.setVgap(4);
            grid.add(name, 0, 0);
            grid.add(id, 0, 1);
            grid.add(address, 0, 2);
            grid.add(phone, 0, 3);
             root.getChildren().add(grid);
             primaryStage.setScene(scene);
             primaryStage.setTitle("Question 1");
```

```
primaryStage.show();
}
```

```
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                                                              Question1.java
                                                                                   | 10 import javafx.application.Application;
| 2 import javafx.geometry.Pos;
| 3 import javafx.scene.Scene;
| 4 import javafx.scene.Group;
| 5 import javafx.stage.Stage;
                         > 😂 Assignment-1
     Assignment-3
    > 📂 LAB-Assignment-2
 Question 1
                                                                                                                                                                                                                                                                                               import javafx.scene.control.
                                                                            9 public class Question1 extends App
10 {
119 public state
                                                                                                                                                                                                                  Name: Mounvi Podapati
                                                                                                                                                                                                                ID: 19BCE0396
                   Question1.java
                                                                                                          public static void main(String
             classpath
project
build.fxbuild
                                                                                                                                                                                                                Address: Bangalore,India
                                                                                                                      Application. Launch(args);
                                                                                                                                                                                                               Phone: 9987654321
    > 📂 PaySlip
                                                                                                           public void start(Stage prima
    > 124 Practice
     TheatreMa
                                                                                                                     Group root = new Group();
Scene scene = new Scene(root,300,150);
                                                                                   18
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   > 📂 Tutorial
                                                                                                                     Label name = new Label("Name: Mounvi Podapati");

Label id = new Label("ID: 198CE8396");

Label address = new Label("Address: Bangalore,India");

Label phone = new Label("Phone: 9987654321");
                                                                                                                     name.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-co.
id.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color
address.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-
phone.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-
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phone.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-
phone.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-
phone.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-
phone.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-
phone.setStyle("-fx-background-color: white; -fx-background-color: white
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                                                                                                                      GridPane grid = new GridPane();
                                                                                                                      grid.setAlignment(Pos.CENTER);
grid.setMinSize(300, 150);
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```

WORKSPACE SNAPSHOT:

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                                                                           Question1.java
    - )-[
                                                                                                                           ublic void start(Stage primaryStage)
     Assignment-3
  > 🖒 LAB-Assignment-2
> 🖒 Lab-assignment-4
• 🔀 Lab-assignment-5
                                                                                                                                   Scene scene = new Scene(root, 300, 150);
                                                                                         19
                                                                                                                                  Label name = new Label("Name: Mounvi Podapati");

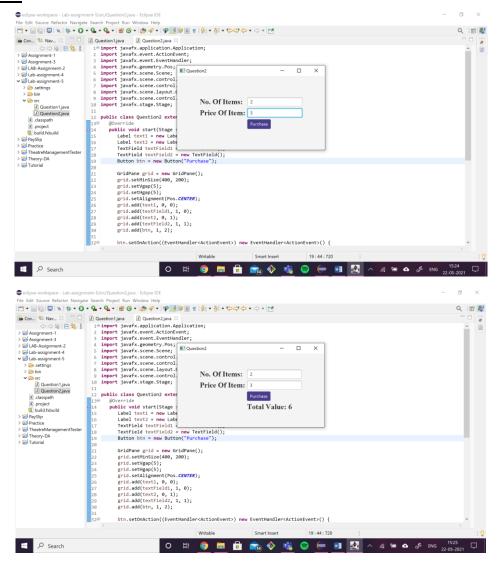
Label id = new Label("Di: 19BCE0396");

Label address = new Label("Address: Bangalore,India");

Label phone = new Label("Phone: 9987654321");
         > 🗁 .settings
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                                                                                           22
23
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25
        Question1.java
               x .classpath
                                                                                                                                  name.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-colid.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color address.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-phone.setStyle("-fx-background-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-color: white; -fx-text-fill: black;-fx-font: normal bold 20px 'Times New Roman';-fx-border-colo
               in project up build.fxbuild
                                                                                           26
  > PaySlip
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> Theory-DA
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                                                                                                                                  GridPane grid = new GridPane();
grid.setAlignment(Pos.CENTER);
grid.setMinSize(300, 150);
   > 📂 Tutorial
                                                                                           33
                                                                                                                                   grid.setVgap(4);
                                                                                                                                 grid.setVgap(4);
grid.add(name, 0, 0);
grid.add(id, 0, 1);
grid.add(address, 0, 2);
grid.add(phone, 0, 3);
                                                                                                                                   root.getChildren().add(grid);
                                                                                                                                  primaryStage.setScene(scene);
primaryStage.setTitle("Question 1");
primaryStage.show();
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```

(Q2)

```
import javafx.application.Application;
import javafx.event.ActionEvent;
import javafx.event.EventHandler;
import javafx.geometry.Pos;
import javafx.scene.Scene;
import javafx.scene.control.Button;
import javafx.scene.control.Label;
import javafx.scene.layout.GridPane;
import javafx.scene.control.TextField;
import javafx.stage.Stage;
public class Question2 extends Application {
   @Override
   public void start(Stage stage) {
      Label text1 = new Label("No. Of Items:");
      Label text2 = new Label("Price Of Item:");
      TextField textField1 = new TextField();
      TextField textField2 = new TextField();
      Button btn = new Button("Purchase");
      GridPane grid = new GridPane();
      grid.setMinSize(400, 200);
      grid.setVgap(5);
      grid.setHgap(5);
      grid.setAlignment(Pos.CENTER);
      grid.add(text1, 0, 0);
      grid.add(textField1, 1, 0);
      grid.add(text2, 0, 1);
      grid.add(textField2, 1, 1);
      grid.add(btn, 1, 2);
      btn.setOnAction((EventHandler<ActionEvent>) new EventHandler<ActionEvent>()
{
          public void handle(ActionEvent event) {
               int itemsNum = Integer.parseInt(textField1.getText());
               int price = Integer.parseInt(textField2.getText());
               Label value = new Label("Total Value: " +(itemsNum*price));
               value.setStyle("-fx-font: normal bold 20px 'Times New Roman' ");
               grid.add(value,1,3);
          }
      });
      btn.setStyle("-fx-background-color: darkslateblue; -fx-text-fill: white;");
      text1.setStyle("-fx-font: normal bold 20px 'Times New Roman' ");
      text2.setStyle("-fx-font: normal bold 20px 'Times New Roman' ");
      Scene scene = new Scene(grid);
      stage.setTitle("Question2");
      stage.setScene(scene);
      stage.show();
   public static void main(String args[]){
      Launch(args);
}
```



WORKSPACE SNAPSHOT:

(Q3)

(1):- Connecting to a Database named Java and Creating a Table in it

```
mysql> CREATE DATABASE Java;
Query OK, 1 row affected (0.01 sec)
mysql> USE Java;
Database changed
mysql> SHOW tables;
Empty set (0.01 sec)
mysql>
```

Code for Creating a Table:-

```
import java.sql.*;
public class Question3 {
 public static void main(String[] args) throws ClassNotFoundException,
          Class.forName("com.mysql.cj.jdbc.Driver");
          Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/Java","root","Mounvi@123"
);
          String q = "CREATE TABLE Customers(Cus_id int primary key,Customer_name
varchar(20),email varchar(30),city varchar(10),Bill_amt int)";
          Statement stmt = con.createStatement();
          stmt.executeUpdate(q);
          System.out.println("Table Successfully Created");
          con.close();
 }
}
                                                                                                       Ø
eclipse-workspace - Lab-assignment-5/src/Question3.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Q 🖺 🐉
N 🛭 "1 🗀 🗓 Question3.java
> 🗁 .settings
> 🗁 bin
                 Statement Sum = Con.release Interment(),
stmt.executeUpdate(q);
System.out.println("Table Successfully Created");
con.close();
  J Question1
J Question2
J Question3
                                                                     mysql> SHOW tables;
  ☑ .classpath
☑ .project
및 build.fxbuild 및 Console
> PaySlip
> Practice
> TheatreManager
           <terminated> Question3 [Java Application] C:\Users\Dell\,p2\poo\\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_
Table Successfully Created
                                                                       Tables_in_java
 > 12 Theory-DA
> 📂 Tutorial
                                                                       customers
                                                                       row in set (0.00 sec)
                                                                     mysql>
                                                                    12:2:565
```

A. <u>Inserting 10 values into the Database</u>

```
import java.util.Scanner;
import java.sql.*;
public class Question3a {
      public static void main(String[] args) throws ClassNotFoundException,
SQLException {
             Class.forName("com.mysql.cj.jdbc.Driver");
              Connection con =
DriverManager.qetConnection("jdbc:mysql://localhost:3306/Java","root","Mounvi@123"
);
              PreparedStatement pstmt = con.prepareStatement("INSERT INTO
Customers values(?,?,?,?)");
              Scanner <u>sc</u> = new Scanner(System.in);
              for(int i=0;i<10;i++) {</pre>
                     System.out.print("CustomerID: ");
                     int id = sc.nextInt();
                     System.out.print("Name: ");
                     String name = sc.next();
                     System.out.print("Email : ");
                     String email = sc.next();
                     System.out.print("City : ");
                     String city = sc.next();
                     System.out.print("Bill Amount: ");
                     double amt = sc.nextDouble();
                     pstmt.setInt(1,id);
                     pstmt.setString(2,name);
                     pstmt.setString(3,email);
                     pstmt.setString(4,city);
                     pstmt.setDouble(5,amt);
                     int result = pstmt.executeUpdate();
                     if(result != 0) {
                           System.out.println("Successfully Inserted Row "+i);
                    }
                     else {
                           System.out.println("Unable to Insert Row " + i);
              pstmt.close();
              con.close();
      }
}
```

OUTPUT:

```
CustomerID: 1
Name: Mounvi
Email: mounvip1525@gmail.com
City: Bangalore
Bill Amount: 53000
Successfully Inserted Row 0
CustomerID: 2
Name: Adhvaith
Email: adhvaithramesh25@gmail.com
City: Kochi
Bill Amount: 46000
```

Successfully Inserted Row 1

CustomerID: 3
Name: Nikhil

Email: mmvsn.15@gmail.com

City : Hyderabad Bill Amount: 32000

Successfully Inserted Row 2

CustomerID: 4
Name: Vani

Email: vani.verma@yahoo.com

City : California Bill Amount: 78000

Successfully Inserted Row 3

CustomerID: 5
Name: Tanmay

Email : tanmayxvx@gmail.com

City : Gangtok Bill Amount: 47670

Successfully Inserted Row 4

CustomerID: 6
Name: Adarsh

Email : adarsh@yahoo.com

City : Ahmedabad Bill Amount: 43000

Successfully Inserted Row 5

CustomerID: 7
Name: Janvi

Email : janvi.prasad@gmail.com

City: Mumbai Bill Amount: 36780

Successfully Inserted Row 6

CustomerID: 8
Name: Ayush

Email : chakayush@gmail.com

City : Kolkata Bill Amount: 23450

Successfully Inserted Row 7

CustomerID: 9
Name: Rushil

Email : rushil.goel@gmail.com

City: Hyderabad Bill Amount: 45345

Successfully Inserted Row 8

CustomerID: 10
Name: Devansh

Email : devansh.baid@gmail.com

City: Siliguiri
Bill Amount: 25670

Successfully Inserted Row 9

SNAPSHOT:

```
eclipse-workspace - Lab-assignment-5/src/Question3a.java - Eclipse IDE
                                                                                                                                                                                                                        М
File Edit Source Refactor Navigate Search Project Run Window Help
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                                                                                                                                                             ■ Console ≅
🔽 N 🌣 "1 🗀 🗓 Question3.java 🔊 Question3a.java 🛱
                           1⊕ import java.util.Scanner;
2 import java.sql.*;
3 public class Question3a {
     ■ X ¾ 📭 🖟 🗗 🗗 🛣 🗆 🕶 🕶
 > 😂 Assignment-1
                                                                                                                                                             <terminated> Question3a [Java Application] C:\Users\Dell\.p2\po
 > Assignment-3
> Assignment-3
> LAB-Assignment-2
                                     plic class Question3a {
  public static void main(String[] args) throws ClassNotFoundException, SQLException
  Class.forName("com.mysql.cj.jdbc.Driver");
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/Java
  PreparedStatement pstmt = con.prepareStatement("INSERT INTO Customers values()
  Scanner sc = new Scanner(System.in);
  for(int i=0;i<10;i++) {
    System.out.print("CustomerID: ");
    int id = sc.nextInt();
    System.out.print("Mame: ");
    String name = sc.next();
    System.out.print("Email: ");
    String email = sc.next();
    System.out.print("City: ");
    String city = sc.next();
</pre>
                                                                                                                                                             CustomerID:
Name: Mouny
                                                                                                                                                            Name: Mounvi
Email : mounvip1525@gmail.cc
City : Bangalore
Bill Amount: 53000
Successfully Inserted Row 0
   Lab-assignment-4

✓ W Lab-assignment-5

    > 🗁 .settings
                                                                                                                                                             CustomerID:
         Question1.jav
                                                                                                                                                             Name: Adnvaith
Email : adhvaithramesh25@gmail.com
City : Kochi
Bill Amount: 46000
Successfully Inserted Row 1
      🗷 .classpath
                                                                                                                                                             CustomerID: 3
                                                                                                                                                            LustomerID: 3
Name: Nikhil
Email: mmvsn.15@gmail.com
City: Hyderabad
Bill Amount: 32000
Successfully Inserted Row 2
CustomerID: 4
      .project
                                                  system.out.print("City: ");
String city = sc.next();
System.out.print("Bill Amount:
double amt = sc.nextDouble();
pstmt.setInt(1,id);
pstmt.setString(2,name);
pstmt.setString(3,email);
pstmt.setString(4.itv).
 > PaySlip
> Practice
> TheatreManager
  ⊳ 📂 Theory-DA
                                                                                                                                                             CustomerID: 4
 > 12 Tutorial
                                                                                                                                                             Name: Vani
Email : vani.verm
                                                  pstmt.setString(4,city);
                                                   pstmt.setDouble(5,amt);
                                                                                                                                                             City : California
                                                  int result = pstmt.executeUpdate();
if(result != 0) {
                                                                                                                                                             Successfully Inserted Row 3
CustomerID: 5
                                                        System.out.println("Successfully Inserted Row "+i);
                                                                                                                                                             Name: Tanmay
Email : tanmayxvx@gmail.com
                                                        System.out.println("Unable to Insert Row " + i);
                                                                                                                                                             City : Gangtok
Bill Amount: 47670
                                                                                                                                                             Successfully Inserted Row 4

→ Search

                                                                                                  mysql> SELECT \times FROM Customers;
                                                                                                                                                      | city
      Cus_id | Customer_name | email
                                                                                                                                                                                          | Bill_amt |
                   1 | Mounvi
                                                                      | mounvip1525@gmail.com
                                                                                                                                                      | Bangalore
                                                                                                                                                                                                        53000
                   2 | Adhvaith
                                                                      | adhvaithramesh25@gmail.com | Kochi
                                                                                                                                                                                                        46000
                   3 | Nikhil
                                                                      | mmvsn.15@gmail.com
                                                                                                                                                      | Hyderabad
                                                                                                                                                                                                        32000
                   4 | Vani
                                                                                                                                                                                                        78000
                                                                      | vani.verma@yahoo.com
                                                                                                                                                      | California
                   5 | Tanmay
                                                                      | tanmayxvx@gmail.com
                                                                                                                                                                                                       47670
                                                                                                                                                      | Gangtok
```

```
6
        | Adarsh
                         | adarsh@yahoo.com
                                                       | Ahmedabad
                                                                          43000
      7
         | Janvi
                           janvi.prasad@gmail.com
                                                         Mumbai
                                                                          36780
                           chakayush@gmail.com
      8
        | Ayush
                                                         Kolkata
                                                                          23450
      9
        | Rushil
                           rushil.goel@gmail.com
                                                         Hyderabad
                                                                          45345
      10
         I Devansh
                         | devansh.baid@gmail.com
                                                       | Siliquiri
                                                                          25670
10 rows in set (0.00 sec)
```

B. Select Query

- 1 Mounvi mounvip1525@gmail.com Bangalore 53000
- 4 Vani vani.verma@yahoo.com California 78000

```
eclipse-workspace - Lab-assignment-5/src/Question3b.java - Eclipse IDE
                                                                                                                                                                                                                       Ø
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Q 😭 🐉
🔓 Coverage 🕏 Navigator... 🖂 📅 🗓 Question3.java 🔑 Question3a.java 🗓 *Question3b.java 🗵 🗓 Question3c.java
                    import java.sql.*;
public class Question3b {
                                                       public static void main(String[] args) throws ClassNotFoundException, SQLException {
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/Java","root","Mounvi@123");
    Statement st = con.createStatement();
    ResultSet rs = st.executeQuery("SELECT * FROM Customers WHERE Bill_amt>50000");
    while (rs.next()) {
        System out printples getTot("Gis id") + " " +
 > Assignment-3
> LAB-Assignment-2
  ≥ 📂 Lab-assignment-4

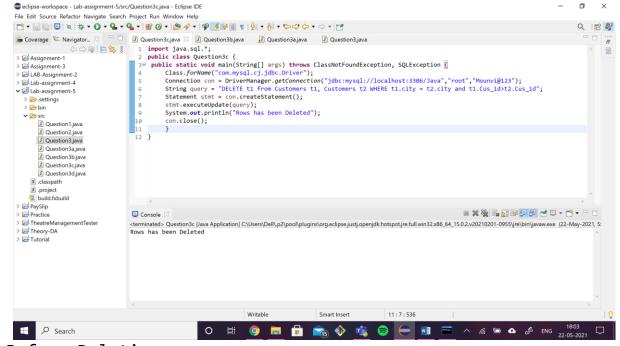
✓ I Lab-assignment-5

   > 🗁 .settings
> 🗁 bin
                                                                   System.out.println(rs.getInt("Cus_id") + " " +
   rs.getString("Customer_name")+
rs.getString("email")+" " +
rs.getString("city")+ " " +
rs.getInt("Bill_amt"));
         Question1.java
        Question2.java
Question3.java
Question3a.java
Question3b.java
                                                               st.close();
         Question3c.java
                                                              con.close();
         Question3d.java
 i.classpath
i.project
ii.build.fxbuild
iii.PaySlip
                                              18 }
                                                                                                                                                                           > 📂 Practice
                                            Console
 > 📂 TheatreManagementTester
                                           <terminated > Question3b [Java Application] C\Users\Del\\p2\poo\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_15.0.2.v20210201-0955\jre\bin\javaw.exe (22-May-2021, 4 1 Mounvi mounvip1525@gmail.com Bangalore 53000
  Theory-DA
                                            4 Vani vani.verma@yahoo.com California 78000
                                                                       O ## 9 ## 1657
```

SNAPSHOT:

```
C. Delete Query
```

```
import java.sql.*;
  public class Question3c {
    public static void main(String[] args) throws ClassNotFoundException,
    SQLException {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con =
    DriverManager.getConnection("jdbc:mysql://localhost:3306/Java","root","Moun vi@123");
        String query = "DELETE t1 from Customers t1, Customers t2 WHERE t1.city = t2.city and t1.Cus_id>t2.Cus_id";
        Statement stmt = con.createStatement();
        stmt.executeUpdate(query);
        System.out.println("Rows has been Deleted");
        con.close();
        }
}
```



Before Deletion:-

```
mysq1> SELECT * FROM Customers;
                                                                      | Bill_amt |
  Cus_id | Customer_name | email
                                                        | city
       1 I
                          | mounvip1525@gmail.com
                                                                           53000
           Mounvi
                                                        | Bangalore
       2
           Adhvaith
                          | adhvaithramesh25@gmail.com |
                                                          Kochi
                                                                           46000
       3
           Nikhil
                            mmvsn.15@gmail.com
                                                          Hyderabad
                                                                           32000
       4
           Vani
                            vani.verma@yahoo.com
                                                          California
                                                                           78000
       5
           Tanmay
                          | tanmayxvx@gmail.com
                                                          Gangtok
                                                                           47670
       6
           Adarsh
                            adarsh@yahoo.com
                                                          Ahmedabad
                                                                           43000
       7
                            janvi.prasad@gmail.com
                                                          Mumbai
                                                                           36780
           Janvi
                          Т
       8
                            chakayush@gmail.com
                                                                           23450
         | Ayush
                                                          Kolkata
       9
        | Rushil
                          | rushil.goel@gmail.com
                                                        | Hyderabad
                                                                           45345
                          | devansh.baid@gmail.com
                                                        | Siliguiri
      10 | Devansh
                                                                           25670 |
10 rows in set (0.00 sec)
```

AFTER DELETION: -

```
mysql> select * from customers;
 Cus_id | Customer_name | email
                                                         | city
                                                                       | Bill_amt |
                        | mounvip1525@gmail.com | Bangal
| adhvaithramesh25@gmail.com | Kochi
| mmvsn.15@gmail.com | Hydera
       1 | Mounvi
                                                         | Bangalore |
                                                                             53000
       2 | Adhvaith
                                                                            46000
       3 | Nikhil
                                                         | Hyderabad |
                                                                             32000
       4 | Vani
                         | vani.verma@yahoo.com
                                                         | California |
                                                                             78000
       5 | Tanmay
                         | tanmayxvx@gmail.com
                                                         | Gangtok
                                                                             47670
       6 | Adarsh
                          | adarsh@uahoo.com
                                                         | Ahmedabad |
                                                                             43000
       7 | Janvi
                          | janvi.prasad@gmail.com
                                                         | Mumbai
       8 | Ayush
                          | chakayush@gmail.com
                                                         | Kolkata
                                                                             23450
      10 | Devansh
                         | devansh.baid@gmail.com
                                                         | Siliguiri
                                                                             25670 I
 rows in set (0.00 sec)
```

D. Update Query

```
import java.sql.*;
public class Question3a {
      public static void main(String[] args) throws ClassNotFoundException,
SQLException {
             Class.forName("com.mysql.cj.jdbc.Driver");
              Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/Java","root","Mounvi@123"
);
              PreparedStatement pstmt = con.prepareStatement("ALTER table
Customers ADD lastName varchar(20)");
              pstmt.executeUpdate();
              System.out.println("New Column has been added successfully");
              PreparedStatement pstmt1 = con.prepareStatement("UPDATE Customers
SET lastName='Podapati' WHERE Cus id='1'" );
              PreparedStatement pstmt2 = con.prepareStatement("UPDATE Customers
SET lastName='Ramesh' WHERE Cus id='2'" );
              PreparedStatement pstmt3 = con.prepareStatement("UPDATE Customers
SET lastName='Maddali' WHERE Cus id='3'" );
              PreparedStatement pstmt4 = con.prepareStatement("UPDATE Customers
SET lastName='Verma' WHERE Cus_id='4'" );
              PreparedStatement pstmt5 = con.prepareStatement("UPDATE Customers
SET lastName='Srivastava' WHERE Cus_id='5'" );
              PreparedStatement pstmt6 = con.prepareStatement("UPDATE Customers
SET lastName='Mishra' WHERE Cus id='6'" );
              PreparedStatement pstmt7 = con.prepareStatement("UPDATE Customers
SET lastName='Prasad' WHERE Cus id='7'" );
              PreparedStatement pstmt8 = con.prepareStatement("UPDATE Customers
SET lastName='Chakladar' WHERE Cus_id='8'" );
              PreparedStatement pstmt9 = con.prepareStatement("UPDATE Customers
SET lastName='Goel' WHERE Cus_id='9'" );
              PreparedStatement pstmt10 = con.prepareStatement("UPDATE Customers
SET lastName='Biad' WHERE Cus id='10'" );
              pstmt1.executeUpdate();
              pstmt2.executeUpdate();
              pstmt3.executeUpdate();
              pstmt4.executeUpdate();
              pstmt5.executeUpdate();
              pstmt6.executeUpdate();
```

```
pstmt7.executeUpdate();
                                                                                                     pstmt8.executeUpdate();
                                                                                                     pstmt9.executeUpdate();
                                                                                                     pstmt10.executeUpdate();
                                                                                                     System.out.println("LastName have been successfully updated");
                                                                                                     con.close();
                                               }
}
OUTPUT:
eclipse-workspace - Lab-assignment-5/src/Question3a.java - Eclipse IDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ø
 File Edit Source Refactor Navigate Search Project Run Window Help
 Q ## #
                                                                                                    ☐ ① Question3cjava ② Question3djava ② Question3djava ② Question3ajava ③ ② Question3ajava ④ Question3ajava ⑥ Question3
   🔓 Coverage 🞏 Navigator... 🛭
                                                       $ $ B B $
                                                                                                                                               public static void main(String[] args) throws ClassNotFoundException, SQLException {
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/Java","root","Mounvi@123");
    PreparedStatement pstmt = con.prepareStatement("ALTER table Customers ADD lastName varchar(20)");
    pstmt.executeUpdate();
    > Assignment-3
> LAB-Assignment-2
       2 Lab-assignment-4

✓ Mab-assignment-5

                                                                                                                                                                 pstmt.executeUpdate();
System.out.println("New Column has been added successfully");
PreparedStatement pstmt1 = con.prepareStatement("UPDATE Customers SET lastName='Podapati' WHERE Cus_id='1'");
PreparedStatement pstmt2 = con.prepareStatement("UPDATE Customers SET lastName='Maddali' WHERE Cus_id='3'");
PreparedStatement pstmt3 = con.prepareStatement("UPDATE Customers SET lastName='Maddali' WHERE Cus_id='3'");
PreparedStatement pstmt4 = con.prepareStatement("UPDATE Customers SET lastName='Verma' WHERE Cus_id='4'");
PreparedStatement pstmt5 = con.prepareStatement("UPDATE Customers SET lastName='Srivastava' WHERE Cus_id='6'");
PreparedStatement pstmt6 = con.prepareStatement("UPDATE Customers SET lastName='Mare Us_id='6'");
PreparedStatement pstmt7 = con.prepareStatement("UPDATE Customers SET lastName='Prasad' WHERE Cus_id='8'");
PreparedStatement pstmt8 = con.prepareStatement("UPDATE Customers SET lastName='Prasad' WHERE Cus_id='8'");
PreparedStatement pstmt9 = con.prepareStatement("UPDATE Customers SET lastName='Goel' WHERE Cus_id='9'");
PreparedStatement pstmt0 = con.prepareStatement("UPDATE Customers SET lastName='Goel' WHERE Cus_id='9'");
            > ြ .settings
         ✓ 🍃 src

☐ Question1.java
                         Question3.java
                         Question3a.java
Question3b.java
                          Question3c.java
                        J Question3d.java
     .classpath
.project
.project
.puild.fxbuild
                                                                                                                                                                   pstmt1.executeUpdate();
pstmt2.executeUpdate();
pstmt3.executeUpdate();
    > B Practice
     > 📂 TheatreManagementTester
                                                                                                                                                                    pstmt4.executeUpdate();
      Theory-DA
                                                                                                                                                                     pstmt5.executeUpdate();
                                                                                                                                                                     pstmt6.executeUpdate();
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ■ X ¾ ♣ ₽ ₽ ₽ ₽ ₽ • • • • •
                                                                                                                     Console
```

jve\bin\javaw.exe (22-May-2021, 7 New Column has been added successfully LastName have been successfully updated

SNAPSHOTS:

☐ ρ Search

```
mysq1> SELECT * FROM Customers;
 Cus_id | Customer_name | email
                                                        | city
                                                                     | Bill_amt | lastName
                                                        | Bangalore |
      1 | Mounvi
                         | mounvip1525@gmail.com
                                                                           53000 I
                                                                                   Podapati
      2 |
          Adhvaith
                           adhvaithramesh25@gmail.com
                                                          Kochi
                                                                          46000
                                                                                   Ramesh
      3
        1
          Nikhil
                           mmvsn.15@gmail.com
                                                          Hyderabad
                                                                           32000
                                                                                   Maddali
                                                          California
      4
          Vani
                                                                           78000
                                                                                   Verma
                           vani.verma@yahoo.com
      5
                                                                                   Srivastava
        1
          Tanmay
                           tanmayxvx@gmail.com
                                                          Gangtok
                                                                          47670
      6
                                                          Ahmedabad
                                                                          43000
                                                                                   Mishra
        1
          Adarsh
                           adarsh@yahoo.com
      7
          Janvi
                                                                          36780
                                                                                   Prasad
        Т
                           jan∪i.prasad@gmail.com
                                                          Mumbai
      8 |
          Ayush
                           chakayush@gmail.com
                                                          Kolkata
                                                                           23450
                                                                                   Chakladar
                           rushil.goel@gmail.com
      9
          Rushil
                                                          Hyderabad
                                                                           45345
                                                                                   Goel
        П
     10 L
                          | devansh.baid@gmail.com
                                                          Siliguiri
                                                                          25670
                                                                                   Biad
          Devansh
10 rows in set (0.00 sec)
```