Lab 4 Results Screenshots:

Note: My SQL and Visual Studio Code was used to run and test this code

```
daniel@Daniels-MBP JDBC %  cd /Users/daniel/Documents/JDBC ; /usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java --enable-previe
w -XX:+ShowCodeDetailsInExceptionMessages @/var/folders/k1/jhd9y19s1pj7n2s_8pxbnrwr0000gn/T/cp_85za6v18qdcs62o0gztfby2ls.argfile PomonaTransitSystem
Database deleted successfully...
Database created successfully...
Database used successfully...
Created TRIP table in given database...
Created TRIPOFFERING table in given database...
Created BUS table in given database...
Created DRIVER table in given database...
Created STOP table in given database...
Created ACTUALTRIPSTOPINFO table in given database...
Created TRIPSTOPINFO table in given database...
inserting test data into tables...
Test Data successfully inserted...
Press "ENTER" to continue...

Task 1 SELECT Query:

Starting Location: LocationA, Destination: DestinA, Date: 2021-12-02, Scheduled Start Time: 10:00AM, Scheduled Arrival Time: 11:00AM, Driver Name: Daniel San, Bu
s ID: 1234
Starting Location: LocationB, Destination: DestinB, Date: 2021-11-30, Scheduled Start Time: 2:15PM, Scheduled Arrival Time: 3:15PM, Driver Name: John Dee, Bus ID
: 2222
Starting Location: LocationC, Destination: DestinC, Date: 2021-11-30, Scheduled Start Time: 11:30AM, Scheduled Arrival Time: 12:30PM, Driver Name: Eddie Reed, Bu
s ID: 3333
Starting Location: LocationD, Destination: DestinD, Date: 2021-11-05, Scheduled Start Time: 6:00PM, Scheduled Arrival Time: 7:00PM, Driver Name: Maria Lopez, Bus
 ID: 1111
Starting Location: LocationE, Destination: DestinE, Date: 2021-12-13, Scheduled Start Time: 5:45PM, Scheduled Arrival Time: 6:45PM, Driver Name: Daniel San, Bus
ID: 1234
Press "ENTER" to continue...

Task 2a: Deletion on TRIPOFFERING Based on TripNumber=3, Date=2021-11-30, 11:30AM...
Deletion successful!
Press "ENTER" to continue...

Task 2b: Add a set of trip offerings
Would you like to enter another Trip?
y
Enter Trip Number:
6
Enter Name of Starting Location:
Fox Theater
Enter Name of Destination:
City Hall

Would you like to enter another row of Data?
N
Press "ENTER" to continue...

Task 2c: Changing the driver for a given Trip offering
Press "ENTER" to continue...
```

```
Task 2d: Changing the bus for a given Trip offering
The Results are...
Trip Number: 1, Date: 2021-12-02, Scheduled Start Time: 10:00AM, Scheduled Arrival Time: 11:00AM, Driver Name: Maria Lopez, Bus ID: 1111
Trip Number: 2, Date: 2021-11-30, Scheduled Start Time: 2:15PM, Scheduled Arrival Time: 3:15PM, Driver Name: John Dee, Bus ID: 2222
Trip Number: 3, Date: 2021-10-28, Scheduled Start Time: 9:00AM, Scheduled Arrival Time: 9:50AM, Driver Name: John Dee, Bus ID: 3333
Trip Number: 4, Date: 2021-11-05, Scheduled Start Time: 6:00PM, Scheduled Arrival Time: 7:00PM, Driver Name: Maria Lopez, Bus ID: 1111
Trip Number: 5, Date: 2021-12-13, Scheduled Start Time: 5:45PM, Scheduled Arrival Time: 6:45PM, Driver Name: Daniel San, Bus ID: 1234
Press "ENTER" to continue...

 Task 3: Displaying Stops given by the TRIPSTOPINFO Table...
Trip Number: 1, Stop Number: 1, Sequence Number: 1234, Driving Time: 0.5hr
Trip Number: 2, Stop Number: 2, Sequence Number: 4321, Driving Time: 0.4hr
Trip Number: 3, Stop Number: 3, Sequence Number: 1122, Driving Time: 0.5hr
Trip Number: 4, Stop Number: 4, Sequence Number: 2211, Driving Time: 0.3hr
Trip Number: 5, Stop Number: 5, Sequence Number: 3311, Driving Time: 0.5hr
Press "ENTER" to continue...

 Task 4: Displaying Schedule of Daniel San in December...
Trip Number: 5, Date: 2021-12-13, Scheduled Start Time: 5:45PM, Scheduled Arrival Time: 6:45PM, Driver Name: Daniel San
Press "ENTER" to continue...

 Task 5: Adding a new Driver...

 Added a new driver...
Press "ENTER" to continue...

 Task 6: Adding new Buses...

 Added the new buses...
Press "ENTER" to continue...

 Task 7: Deleting a Bus...
The Results are...
BusID: 1111, Model: 3TrSingleDeck, Year: 2013
BusID: 1234, Model: 2XMinibus, Year: 2015
BusID: 2222, Model: 4XMinibus, Year: 2018
BusID: 3333, Model: 12BNCoach, Year: 2017
BusID: 8888, Model: 3XRCoach, Year: 2014
Press "ENTER" to continue...

 Task 8: Inserting data into Actual Start/Arrival in ActualTripStopInfo
The results are...
Trip Number: 1, Date: 2021-12-02, Scheduled Start Time: 10:00AM, Scheduled Arrival Time: 11:00AM, Actual Start Time: 10:05AM, Actual Arrival Time: 11:10AM
Trip Number: 2, Date: 2021-11-30, Scheduled Start Time: 2:15PM, Scheduled Arrival Time: 3:15PM, Actual Start Time: 2:16PM, Actual Arrival Time: 3:20APM
Trip Number: 3, Date: 2021-11-30, Scheduled Start Time: 11:30AM, Scheduled Arrival Time: 12:30PM, Actual Start Time: 11:35PM, Actual Arrival Time: 12:29AM
Trip Number: 4, Date: 2021-11-05, Scheduled Start Time: 6:00PM, Scheduled Arrival Time: 7:00PM, Actual Start Time: 6:04PM, Actual Arrival Time: 7:03PM
Trip Number: 5, Date: 2021-12-13, Scheduled Start Time: 5:45PM, Scheduled Arrival Time: 6:45PM, Actual Start Time: 5:45PM, Actual Arrival Time: 6:47PM
daniel@Daniels-MBP JDBC %
```

Code copied and pasted from java file:

```java
/*
MySQL and Visual Studio Code was used to create and test this program.
Daniel Santamaria
*/

import java.sql.*;
import java.util.Scanner;

public class PomonaTransitSystem {
    static final String DB_URL = "jdbc:mysql://127.0.0.1/transit";
    static final String USER = "root";
    static final String PASS = "password";
    public static void main(String[] args) {
    // Open a connection
    try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
    Statement stmt = conn.createStatement();){

        //For repeated runs...
        stmt.executeUpdate("DROP DATABASE TRANSIT");
        System.out.println("Database deleted successfully...");
```

```java
stmt.executeUpdate("CREATE DATABASE TRANSIT");
System.out.println("Database created successfully...");

stmt.executeUpdate("USE TRANSIT");
System.out.println("Database used successfully...");

//Create the Tables
CreateTable("CREATE TABLE TRIP " +
    "(TripNumber INTEGER not NULL, " +
    " StartLocationName VARCHAR(255), " +
    " DestinationName VARCHAR(255), " +
    " PRIMARY KEY ( TripNumber ))", "TRIP" );

CreateTable("CREATE TABLE TRIPOFFERING " +
    "(TripNumber INTEGER not NULL, " +
    " Date DATE, " +
    " ScheduledStartTime VARCHAR(255), " +
    " ScheduledArrivalTime VARCHAR(255), " +
    " DriverName VARCHAR(255), " +
    " BusID INTEGER, " +
    " PRIMARY KEY ( TripNumber, Date, ScheduledStartTime ))", "TRIPOFFERING");

CreateTable ("CREATE TABLE BUS " +
    "(BusID INTEGER not NULL, " +
    " Model VARCHAR(255), " +
    " Year VARCHAR(255)," +
    " PRIMARY KEY ( BusID ))", "BUS");

CreateTable("CREATE TABLE DRIVER " +
    "(DriverName VARCHAR(255) not NULL, " +
    " DriverTelephoneNumber VARCHAR(255), " +
    " PRIMARY KEY ( DriverName ))", "DRIVER");

CreateTable("CREATE TABLE STOP " +
    "(StopNumber INTEGER not NULL, " +
    " StopAddress VARCHAR(255), " +
    " PRIMARY KEY ( StopNumber ))", "STOP");

CreateTable("CREATE TABLE ACTUALTRIPSTOPINFO " +
    "(TripNumber INTEGER not NULL, " +
    " Date DATE, " +
    " ScheduledStartTime VARCHAR(255), " +
    " StopNumber INTEGER, " +
    " ScheduledArrivalTime VARCHAR(255), " +
    " ActualStartTime VARCHAR(255), " +
    " ActualArrivalTime VARCHAR(255), " +
    " NumberOfPassengerIn INTEGER, " +
```

```java
                " NumberOfPassengerOut INTEGER, " +
                " PRIMARY KEY ( TripNumber, Date, ScheduledStartTime, StopNumber ))",
"ACTUALTRIPSTOPINFO");

            CreateTable("CREATE TABLE TRIPSTOPINFO " +
              "(TripNumber INTEGER not NULL, " +
              " StopNumber INTEGER, " +
              " SequenceNumber INTEGER, " +
              " DrivingTime VARCHAR(255), " +
              " PRIMARY KEY ( TripNumber, StopNumber ))", "TRIPSTOPINFO");

            System.out.println("inserting test data into tables...");

            InsertTestData(); // insert example data
            promptEnterKey();

            //Task 1 Displaying the schedule of all trips for a given key
            Task1();
            promptEnterKey();

            //Task 2 TripOffering
            Task2();
            promptEnterKey();

            //Task 3 Displaying stops of a given trip
            Task3();
            promptEnterKey();

            //Task 4 Displaying the weekly schedule of a given driver and date
            Task4();
            promptEnterKey();

            //Task 5 Adding a drive
            Task5();
            promptEnterKey();

            //Task 6 Adding a Bus
            Task6();
            promptEnterKey();

            //Task 7 Deleting a Bus
            Task7();
            promptEnterKey();

            //Task 8: Recording actual data of given trip offering
            Task8();

        } catch (SQLException e) {
```

```java
                e.printStackTrace();
        }
    }
    public static void CreateTable(String Query, String TableName) {
        try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
        Statement stmt = conn.createStatement();) {
            stmt.executeUpdate(Query);
            System.out.println("Created "+ TableName +" table in given database...");
        }
        catch (SQLException e){
            e.printStackTrace();
        }
    }

    public static void InsertDataTable(String TableName, String Data) {
        try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
        Statement stmt = conn.createStatement();) {
            stmt.executeUpdate("INSERT INTO " + TableName + " VALUES (" + Data + ")");
        }
        catch (SQLException e){
            e.printStackTrace();
        }
    }

    public static void InsertTestData() {
        try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
        Statement stmt = conn.createStatement();) {

            InsertDataTable("TRIP", "1, \"LocationA\", \"DestinA\"");
            InsertDataTable("TRIP", "2, \"LocationB\", \"DestinB\"");
            InsertDataTable("TRIP", "3, \"LocationC\", \"DestinC\"");
            InsertDataTable("TRIP", "4, \"LocationD\", \"DestinD\"");
            InsertDataTable("TRIP", "5, \"LocationE\", \"DestinE\"");

            //DATE: YYYY-MM-DD
            InsertDataTable("TRIPOFFERING", "1, \"2021-12-02\", \"10:00AM\", \"11:00AM\",
\"Daniel San\", 1234");
            InsertDataTable("TRIPOFFERING", "2, \"2021-11-30\", \"2:15PM\", \"3:15PM\",
\"John Dee\", 2222");
            InsertDataTable("TRIPOFFERING", "3, \"2021-11-30\", \"11:30AM\", \"12:30PM\",
\"Eddie Reed\", 3333");
            InsertDataTable("TRIPOFFERING", "4, \"2021-11-05\", \"6:00PM\", \"7:00PM\",
\"Maria Lopez\", 1111");
            InsertDataTable("TRIPOFFERING", "5, \"2021-12-13\", \"5:45PM\", \"6:45PM\",
\"Daniel San\", 1234");

            InsertDataTable("BUS", "1234, \"2XMinibus\", \"2015\"");
            InsertDataTable("BUS", "1111, \"3TrSingleDeck\", \"2013\"");
```

```java
            InsertDataTable("BUS", "2222, \"4XMinibus\", \"2018\"");
            InsertDataTable("BUS", "3333, \"12BNCoach\", \"2017\"");

            InsertDataTable("DRIVER", "\"Daniel San\", \"909-123-4567\"");
            InsertDataTable("DRIVER", "\"John Dee\", \"909-111-2222\"");
            InsertDataTable("DRIVER", "\"Eddie Reed\", \"909-333-4444\"");
            InsertDataTable("DRIVER", "\"Maria Lopez\", \"909-555-6666\"");

            InsertDataTable("STOP", "01, \"301 S Garey Ave\"");
            InsertDataTable("STOP", "02, \"200 W. Second Street\"");
            InsertDataTable("STOP", "03, \"3801 W Temple Ave\"");
            InsertDataTable("STOP", "04, \"1101 W McKinley Ave\"");
            InsertDataTable("STOP", "05, \"2640 Pomona Blvd\"");
            InsertDataTable("STOP", "06, \"281 S Thomas St\"");

            InsertDataTable("ACTUALTRIPSTOPINFO", "1, \"2021-12-02\", \"10:00AM\", 01,
\"11:00AM\"" +
                    ", \"10:05AM\", \"11:10AM\", 5, 4");
            InsertDataTable("ACTUALTRIPSTOPINFO", "2, \"2021-11-30\", \"2:15PM\", 02,
\"3:15PM\"" +
                    ", \"2:16PM\", \"3:20APM\", 7, 6");
            InsertDataTable("ACTUALTRIPSTOPINFO", "3, \"2021-11-30\", \"11:30AM\", 03,
\"12:30PM\"" +
                    ", \"11:35PM\", \"12:29AM\", 8, 4");
            InsertDataTable("ACTUALTRIPSTOPINFO", "4, \"2021-11-05\", \"6:00PM\", 04,
\"7:00PM\"" +
                    ", \"6:03PM\", \"7:01PM\", 6, 1");
            InsertDataTable("ACTUALTRIPSTOPINFO", "5, \"2021-12-13\", \"5:45PM\", 05,
\"6:45PM\"" +
                    ", \"5:45PM\", \"6:47PM\", 7, 2");

            InsertDataTable("TRIPSTOPINFO", "1, 01, 1234, \"0.5hr\"");
            InsertDataTable("TRIPSTOPINFO", "2, 02, 4321, \"0.4hr\"");
            InsertDataTable("TRIPSTOPINFO", "3, 03, 1122, \"0.5hr\"");
            InsertDataTable("TRIPSTOPINFO", "4, 04, 2211, \"0.3hr\"");
            InsertDataTable("TRIPSTOPINFO", "5, 05, 3311, \"0.5hr\"");

            System.out.println("Test Data successfully inserted...");
        }
        catch (SQLException e){
            e.printStackTrace();
        }
    }

    public static void Task1(){
        try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
        Statement stmt = conn.createStatement();) {
```

```java
        String TASK1 = "SELECT T.StartLocationName, T.DestinationName, O.Date,
O.ScheduledStartTime, " +
                        "O.ScheduledArrivalTime, O.DriverName, O.BusID " +
                        "FROM Trip AS T INNER JOIN TripOffering as O ON T.TripNumber =
O.TripNumber";

        System.out.println("Task 1 SELECT Query:\n");
        ResultSet rs = stmt.executeQuery(TASK1);

        //Extract data from result set
        while (rs.next()) {
            // Retrieve by column name
            System.out.print("Starting Location: " +
rs.getString("StartLocationName"));
            System.out.print(", Destination: " + rs.getString("DestinationName"));
            System.out.print(", Date: " + rs.getDate("Date"));
            System.out.print(", Scheduled Start Time: " +
rs.getString("ScheduledStartTime"));
            System.out.print(", Scheduled Arrival Time: " +
rs.getString("ScheduledArrivalTime"));
            System.out.print(", Driver Name: " + rs.getString("DriverName"));
            System.out.println(", Bus ID: " + rs.getInt("BusID"));
        }
    }
    catch (SQLException e){
        e.printStackTrace();
    }
  }
  public static void Task2(){
    try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
    Statement stmt = conn.createStatement();) {

        //Task 2a
        String TASK2a = "DELETE " +
                        "FROM TripOffering " +
                        "WHERE TripNumber = 3 AND Date = \"2021-11-30\" AND
ScheduledStartTime = \"11:30AM\"";
        System.out.println("\nTask 2a: Deletion on TRIPOFFERING Based on
TripNumber=3, Date=2021-11-30, 11:30AM...");
        stmt.executeUpdate(TASK2a);

        System.out.println("Deletion successful!");
        promptEnterKey();

        //Task 2b
        System.out.println("\nTask 2b: Add a set of trip offerings");
        InsertDataTable("TRIPOFFERING", "3, \"2021-10-28\", \"9:00AM\", \"9:50AM\",
\"John Dee\", 3333");
```

```java
            System.out.println("Would you like to enter another Trip?");
            Scanner yesOrNo = new Scanner(System.in);

            while(true)
            {
                String line = yesOrNo.nextLine();
                if(line.equalsIgnoreCase("Y")){

                    while(line.equalsIgnoreCase("Y")) {

                        System.out.println("Enter Trip Number: ");
                        Scanner TripNumberInput = new Scanner(System.in);
                        String TripNumber = TripNumberInput.nextLine();
                        System.out.println("Enter Name of Starting Location: ");
                        Scanner StartingLocationInput = new Scanner(System.in);
                        String StartingLocationName = StartingLocationInput.nextLine();
                        System.out.println("Enter Name of Destination: ");
                        Scanner DestinationInput = new Scanner(System.in);
                        String DestinationName = DestinationInput.nextLine();

                        String UserData = "\"" + TripNumber + "\", \"" +
StartingLocationName + "\", \"" + DestinationName + "\"";

                        InsertDataTable("Trip", UserData);

                        System.out.println("\nWould you like to enter another row of
Data?");
                        Scanner yesOrNo2 = new Scanner(System.in);
                        line = yesOrNo2.nextLine();
                    }
                    break;
                }else if(line.equalsIgnoreCase("N") || line.equalsIgnoreCase("n")){
                    break;
                }else{
                    System.out.println("Please enter Y or N ");
                }
            }
            promptEnterKey();

            //Task 2c
            System.out.println("\nTask 2c: Changing the driver for a given Trip offering
");
            stmt.executeUpdate("UPDATE TripOffering " +
                "SET DriverName = \"Maria Lopez\" " +
                "WHERE TripNumber = 1 AND Date = \"2021-12-02\" AND ScheduledStartTime =
\"10:00AM\";");
            promptEnterKey();
```

```java
        //Task2d
        System.out.println("\nTask 2d: Changing the bus for a given Trip offering ");
        stmt.executeUpdate("UPDATE TripOffering " +
        "SET BusID = 1111 " +
        "WHERE TripNumber = 1 AND Date = \"2021-12-02\" AND ScheduledStartTime =
\"10:00AM\";");

        System.out.println("The Results are...");
        ResultSet rs =stmt.executeQuery("SELECT * FROM TRIPOFFERING");

        while (rs.next()) {
            System.out.print("Trip Number: " + rs.getInt("TripNumber"));
            System.out.print(", Date: " + rs.getDate("Date"));
            System.out.print(", Scheduled Start Time: " +
rs.getString("ScheduledStartTime"));
            System.out.print(", Scheduled Arrival Time: " +
rs.getString("ScheduledArrivalTime"));
            System.out.print(", Driver Name: " + rs.getString("DriverName"));
            System.out.println(", Bus ID: " + rs.getString("BusID"));
        }
    }
    catch (SQLException e){
        e.printStackTrace();
    }
}
public static void Task3(){
    try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
    Statement stmt = conn.createStatement();) {
        System.out.println("\n Task 3: Displaying Stops given by the TRIPSTOPINFO
Table...");
        ResultSet rs =stmt.executeQuery("SELECT * FROM TRIPSTOPINFO");

        while (rs.next()) {
            // Retrieve by column name
            System.out.print("Trip Number: " + rs.getInt("TripNumber"));
            System.out.print(", Stop Number: " + rs.getInt("StopNumber"));
            System.out.print(", Sequence Number: " + rs.getInt("SequenceNumber"));
            System.out.println(", Driving Time: " + rs.getString("DrivingTime"));
        }
    }
    catch (SQLException e){
        e.printStackTrace();
    }
}
public static void Task4(){
    try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
    Statement stmt = conn.createStatement();) {
```

```java
        System.out.println("\n Task 4: Displaying Schedule of Daniel San in
December...");
        ResultSet rs =stmt.executeQuery("SELECT * FROM TripOffering AS T " +
                                "WHERE T.DriverName=\"Daniel San\" AND T.Date
LIKE \"%-12-%\"");

        while (rs.next()) {
            // Retrieve by column name
            System.out.print("Trip Number: " + rs.getInt("TripNumber"));
            System.out.print(", Date: " + rs.getDate("Date"));
            System.out.print(", Scheduled Start Time: " +
rs.getString("ScheduledStartTime"));
            System.out.print(", Scheduled Arrival Time: " +
rs.getString("ScheduledArrivalTime"));
            System.out.println(", Driver Name: " + rs.getString("DriverName"));
        }
    }
    catch (SQLException e){
        e.printStackTrace();
    }
}
public static void Task5(){
    try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
    Statement stmt = conn.createStatement();) {
        System.out.println("\n Task 5: Adding a new Driver...");
        InsertDataTable("DRIVER", "\"Gloria Guevarra\", \"909-999-9999\"");
        System.out.println("\n Added a new driver...");
    }
    catch (SQLException e){
        e.printStackTrace();
    }
}
public static void Task6(){
    try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
    Statement stmt = conn.createStatement();) {
        System.out.println("\n Task 6: Adding new Buses...");
        InsertDataTable("BUS", "9999, \"7XMinibus\", \"2012\"");
        InsertDataTable("BUS", "8888, \"3XRCoach\", \"2014\"");
        System.out.println("\n Added the new buses...");
    }
    catch (SQLException e){
        e.printStackTrace();
    }
}
public static void Task7(){
    try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
    Statement stmt = conn.createStatement();) {
```

```java
            String TASK7 = "DELETE " +
                           "FROM BUS " +
                           "WHERE BUSID = 9999";
            System.out.println("\nTask 7: Deleting a Bus...");
            stmt.executeUpdate(TASK7);

            System.out.println("The Results are...");
            ResultSet rs =stmt.executeQuery("SELECT * FROM BUS");
            while (rs.next()) {
                System.out.print("BusID: " + rs.getInt("BusID"));
                System.out.print(", Model: " + rs.getString("Model"));
                System.out.println(", Year: " + rs.getString("Year"));
            }
        }
        catch (SQLException e){
            e.printStackTrace();
        }
    }
  public static void Task8(){
        try(Connection conn = DriverManager.getConnection(DB_URL, USER, PASS);
        Statement stmt = conn.createStatement();) {
            stmt.executeUpdate("UPDATE ActualTripStopInfo " +
                "SET ActualStartTime = \"6:04PM\" " +
                "WHERE TripNumber = 4 AND Date = \"2021-11-05\" AND ScheduledStartTime =
\"6:00PM\";");

                stmt.executeUpdate("UPDATE ActualTripStopInfo " +
                "SET ActualArrivalTime = \"7:03PM\" " +
                "WHERE TripNumber = 4 AND Date = \"2021-11-05\" AND ScheduledStartTime =
\"6:00PM\";");

            System.out.println("\nTask 8: Inserting data into Actual Start/Arrival in
ActualTripStopInfo ");

            System.out.println("The results are...");
            ResultSet rs = stmt.executeQuery("SELECT * FROM ACTUALTRIPSTOPINFO");

            //Extract data from result set
            while (rs.next()) {
                // Retrieve by column name
                System.out.print("Trip Number: " + rs.getInt("TripNumber"));
                System.out.print(", Date: " + rs.getDate("Date"));
                System.out.print(", Scheduled Start Time: " +
rs.getString("ScheduledStartTime"));
                System.out.print(", Scheduled Arrival Time: " +
rs.getString("ScheduledArrivalTime"));
                System.out.print(", Actual Start Time: " +
rs.getString("ActualStartTime"));
```

```java
                System.out.println(", Actual Arrival Time: " +
rs.getString("ActualArrivalTime"));
            }
        }
        catch (SQLException e){
            e.printStackTrace();
        }
    }

    public static void promptEnterKey(){
        System.out.println("Press \"ENTER\" to continue...");
        Scanner scanner = new Scanner(System.in);
        scanner.nextLine();
    }

}
```