

I was able to get it working in VSCode but I had trouble using Netbeans to establish the connection, but I did install Netbeans if that is what is required for the following assignments.

The screenshot shows the Visual Studio Code interface with the 'CreateTable.java' file open. The code defines a 'CreateTable' class with a 'createTable()' method that attempts to connect to a MySQL database and create a table. The terminal window shows the output of the program, indicating that the table was created successfully.

```
src > CreateTable.java src 2 x CreateTable.java C:\Users\jason\AppData\Local\Temp\cp_7jexio0tackigsmrus2y6c2cy.argfile 'CreateTable'
```

```
1 import java.net.URL;
2 import java.sql.*;
3
4 public class CreateTable{
5
6     Connection con;
7
8     Statement stmt;
9
10    public CreateTable(){
11
12    try{
13
14        Class.forName(className: "com.mysql.cj.jdbc.Driver");
15
16        String url = "jdbc:mysql://localhost:3333/databasedb?";
17
18        con = DriverManager.getConnection(url + "user=student1&password=pass"
19
20        stmt = con.createStatement();
21    }
22    catch (Exception e){
23        System.out.println(x: "Error connection MySQL");
24        System.exit(status: 0);
25    }
26    }
27
28    try{
29
30        System.out.println(
31        stmt.executeUpdate(sql: "INSERT INTO address33 VALUES(55, 'Larry', 'Rich'");
32    }
33    catch (Exception e){
34        System.out.println(x: "Error connection MySQL");
35        System.exit(status: 0);
36    }
37    }
38    }
39    }
```

MySQL Command Line Client

```
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 5.7.30-log MySQL Community Server (GPL)
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use databasedb
Database changed
mysql> show tables;
+-----+
| Tables_in_databasedb |
+-----+
| address33             |
+-----+
1 row in set (0.00 sec)

mysql>
```

PROBLEMS (10) OUTPUT TERMINAL DEBUG CONSOLE

```
PS C:\Users\jason\Desktop\test> & 'C:\Program Files\Microsoft\jdk-17.0.3.7-hotspot\bin\java.exe' '-Xx:-ShowCodeDetailsInExceptionMessages' '@C:\Users\jason\AppData\Local\Temp\cp_7jexio0tackigsmrus2y6c2cy.argfile' 'CreateTable'
Table address does not exist
Table address Created
Database connections closed
PS C:\Users\jason\Desktop\test>
```

The screenshot shows the Visual Studio Code interface with the 'InsertData.java' file open. The code defines an 'InsertData' class with an 'insertData()' method that attempts to connect to a MySQL database and insert data into a table. The terminal window shows the output of the program, indicating that the data was inserted successfully.

```
src > InsertData.java 2 x InsertData
```

```
12 try{
13
14    Class.forName(className: "com.mysql.cj
15
16    String url = "jdbc:mysql://localhost:3
17
18    con = DriverManager.getConnection(url
19
20    stmt = con.createStatement();
21
22    catch (Exception e){
23
24        System.out.println(x: "Error connection MySQL");
25        System.exit(status: 0);
26    }
27
28    try{
29
30        System.out.println(
31        stmt.executeUpdate(sql: "INSERT INTO address33 VALUES(55, 'Larry', 'Rich'");
32    }
33    catch (Exception e){
34        System.out.println(x: "Error connection MySQL");
35        System.exit(status: 0);
36    }
37    }
38    }
39    }
```

MySQL Command Line Client

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use databasedb
Database changed
mysql> show tables;
+-----+
| Tables_in_databasedb |
+-----+
| address33             |
+-----+
1 row in set (0.00 sec)

mysql> select * from address33;
+----+-----+-----+-----+-----+-----+-----+
| ID | LASTNAME | FIRSTNAME | STREET | CITY | STATE | ZIP |
+----+-----+-----+-----+-----+-----+-----+
| 1 | Fine | Ruth | 1111 Redding Circle | Bellevue | NE | 68123 |
| 2 | Howard | Carly | 1000 Galvin Road South | Bellevue | NE | 68085 |
| 3 | Howard | Will | 2919 Redding Circle | Bellevue | NE | 68123 |
| 4 | Wilson | Larry | 1121 Redding Circle | Bellevue | NE | 68124 |
| 5 | Johnson | George | 1300 Galvin Road South | Bellevue | NE | 68086 |
| 6 | Long | Matthew | 2419 Redding Circle | Bellevue | NE | 68127 |
| 44 | Tom | Matthew | 1999 Redding Circle | Bellevue | NE | 68123 |
| 55 | Larry | Rich | 1111 Redding Circle888 | Bellevue | NE | 68123 |
+----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql>
```

PROBLEMS (10) OUTPUT TERMINAL DEBUG CONSOLE

```
1 row updated
1 row updated
1 row updated
1 row updated
1 row updated
1 row updated
Data Inserted
Database connections closed
PS C:\Users\jason\Desktop\test>
```

