

Write a code for connecting JDBC to MySQL and execute to display the table?

SQL CODE:

```
CREATE DATABASE ATM;
```

```
USE ATM;
```

```
CREATE TABLE USERS (ID INT PRIMARY KEY, NAME VARCHAR(30), BANK VARCHAR(30), BRANCH  
VARCHAR(30), AC_NUMBER LONG);
```

```
INSERT INTO USERS VALUES (1, "RAGHUL", "SBI", "THITTAKUDI", 998877665542);
```

```
INSERT INTO USERS VALUES (2, "KARTHI", "INDIAN", "THITTAKUDI", 998336695542);
```

```
INSERT INTO USERS VALUES (3, "MANIRAJ", "CANARA", "THITTAKUDI", 998832365542);
```

```
INSERT INTO USERS VALUES (4, "VENKY", "HDFC", "PERAMBALUR", 998877343552);
```

```
SELECT * FROM USERS;
```

OUTPUT FOR SQL:

The screenshot displays the MySQL Workbench interface. The top pane shows the following SQL code:

```
1 CREATE DATABASE ATM;
2 USE ATM;
3 CREATE TABLE USERS (ID INT PRIMARY KEY, NAME VARCHAR(30), BANK VARCHAR(30), BRANCH VARCHAR(30), AC_NUMBER LONG);
4 INSERT INTO USERS VALUES (1, "RAGHUL", "SBI", "THITTAKUDI", 998877665542);
5 INSERT INTO USERS VALUES (2, "KARTHI", "INDIAN", "THITTAKUDI", 998336695542);
6 INSERT INTO USERS VALUES (3, "MANIRAJ", "CANARA", "THITTAKUDI", 998832365542);
7 INSERT INTO USERS VALUES (4, "VENKY", "HDFC", "PERAMBALUR", 998877343552);
8 SELECT * FROM USERS;
```

The bottom pane shows the 'Result Grid' with the following data:

ID	NAME	BANK	BRANCH	AC_NUMBER
1	RAGHUL	SBI	THITTAKUDI	998877665542
2	KARTHI	INDIAN	THITTAKUDI	998336695542
3	MANIRAJ	CANARA	THITTAKUDI	998832365542
4	VENKY	HDFC	PERAMBALUR	998877343552

The 'Output' pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
59	19:44:09	INSERT INTO USERS VALUES(3, "MANIRAJ", "CANARA", "THITTAKUDI", 998832365542)	1 row(s) affected	0.000 sec
60	19:44:09	INSERT INTO USERS VALUES(4, "VENKY", "HDFC", "PERAMBALUR", 998877343552)	1 row(s) affected	0.000 sec
61	19:44:13	SELECT * FROM USERS LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

CONNECTING JDBC:

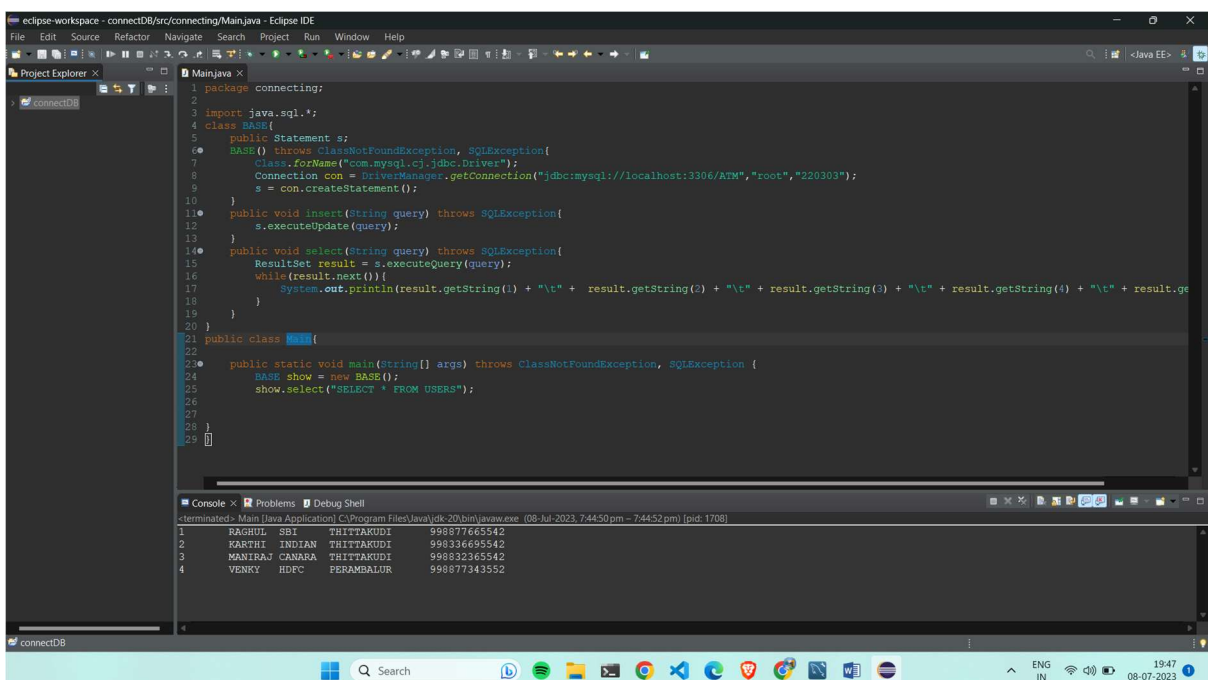
```
package connecting;

import java.sql.*;
class BASE{
    public Statement s;
    BASE() throws ClassNotFoundException, SQLException{
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con =
        DriverManager.getConnection("jdbc:mysql://localhost:3306/ATM","root","220303");

        s = con.createStatement();
    }
    public void insert(String query) throws SQLException{
        s.executeUpdate(query);
    }
    public void select(String query) throws SQLException{
        ResultSet result = s.executeQuery(query);
        while(result.next()){
            System.out.println(result.getString(1) + "\t" +
result.getString(2) + "\t" + result.getString(3) + "\t" +
result.getString(4) + "\t" + result.getString(5));
        }
    }
}
public class Main{

    public static void main(String[] args) throws ClassNotFoundException,
SQLException {
        BASE show = new BASE();
        show.select("SELECT * FROM USERS");
    }
}
```

OUTPUT:



The screenshot shows the Eclipse IDE with the project 'connectDB' and the file 'Main.java'. The code is the same as shown in the previous block. The console output shows the following table:

ID	NAME	ADDRESS	PHONE	PINCODE
1	RAGHUV	THITTARODI	998877665542	
2	RASHI	INDIAN	THITTARODI	998877665542
3	MANIRAJ	CANARA	THITTARODI	998877665542
4	VENKY	HDPC	PERAMBALUR	998877343552