**ASSIGNMENT -3**

SMART-BRIDGE EXTERNSHIP

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Drive link: <https://drive.google.com/drive/folders/1RYcafSrEYm6DgWosPCDY_h1Ch6wq5o_j?usp=sharing>

ASSIGNMENT CODE:

import java.sql.\*;

public class Database {

public static void main(String[] args) {

String url = "jdbc:mysql://localhost:3306/database1";

String username = "root";

String password = "vishwa@2003";

Connection connection = null;

try {

Class.forName("com.mysql.cj.jdbc.Driver");

connection = DriverManager.getConnection(url,

username, password);

Statement statement =

connection.createStatement();

ResultSet resultSet =

statement.executeQuery("SELECT \* FROM customers");

//FOR TABLE "CUSTOMERS"

System.out.println("\nTABLE - CUSTOMERS");

System.out.println("-----------------------------------------

---------");

while (resultSet.next()) {

int customerid = resultSet.getInt("customerID");

String fname = resultSet.getString("firstname");

String lname = resultSet.getString("lastname");

String email = resultSet.getString("email");

String phone = resultSet.getString("Phone");

System.out.println(customerid+" "+fname+"

"+lname+" "+email+" "+phone);

}

resultSet.close();

statement.close();

//FOR TABLE "ORDERS"

Statement statement1 =

connection.createStatement();

ResultSet resultSet1 =

statement1.executeQuery("SELECT \* FROM orders");

System.out.println("\nTABLE - ORDERS");

System.out.println("-----------------------------------------

---------");

while (resultSet1.next()) {

int orderid = resultSet1.getInt("orderID");

int customerid = resultSet1.getInt("customerID");

String orderdate =

resultSet1.getString("orderdate");

int totalamount =

resultSet1.getInt("totalamount");

int productid = resultSet1.getInt("productID");

System.out.println(orderid+" "+customerid+"

"+orderdate+" "+totalamount+" "+productid);

}

resultSet1.close();

statement1.close();

}

catch (Exception e) {

System.out.println(e);

e.printStackTrace();

}

finally {

if (connection != null) {

try {

connection.close();

}

catch (SQLException e) {

e.printStackTrace();

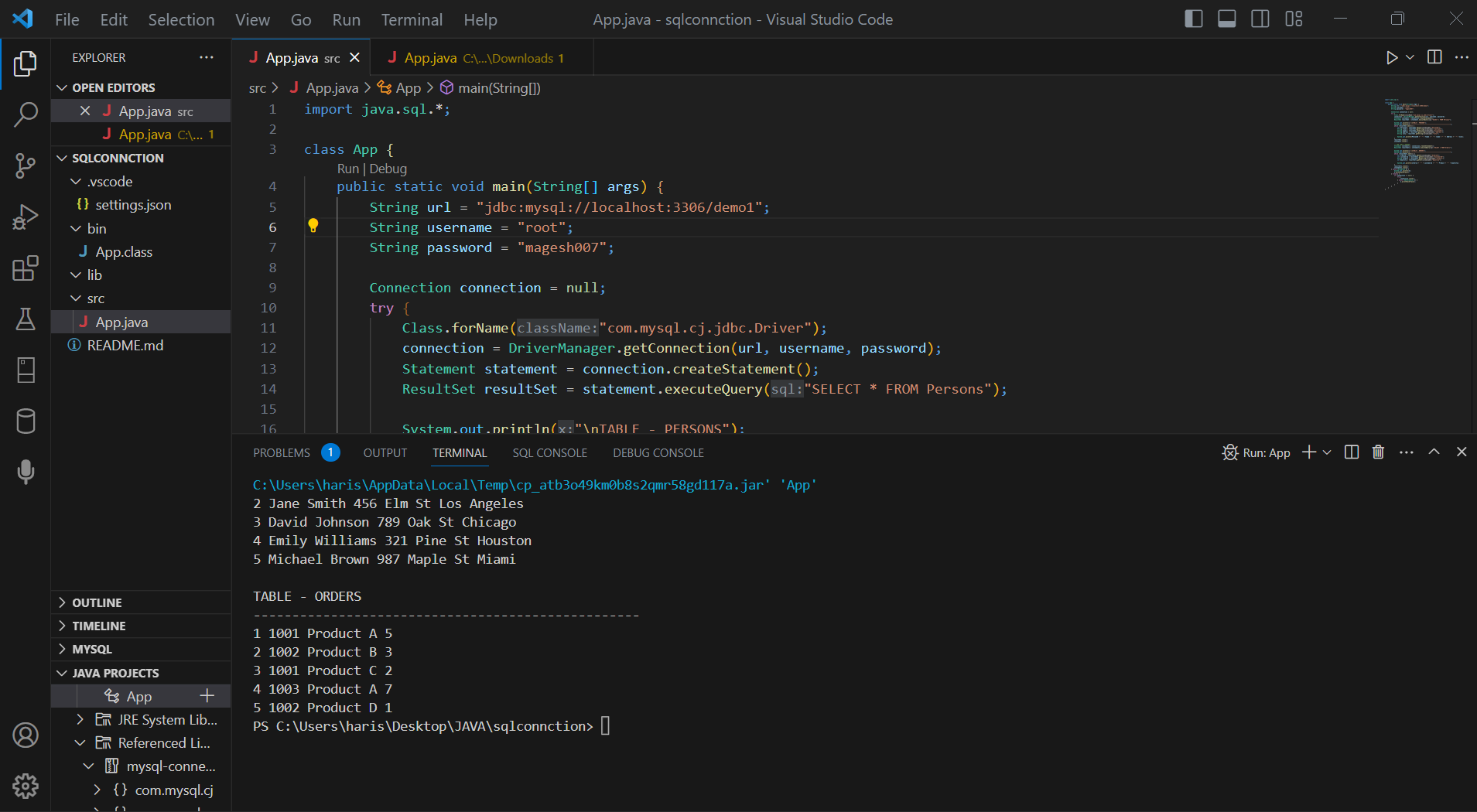
}

}

}

}

}



**Table code**

**CREATE TABLE Persons (**

**PersonID int,**

**LastName varchar(255),**

**FirstName varchar(255),**

**Address varchar(255),**

**City varchar(255)**

**);**

**CREATE TABLE Orders**

**(OrderID int,**

**CustomerID int,**

**Product varchar(255),**

**Quantity int,**

**PRIMARY KEY (OrderID),**

**FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)**

**);**

