

MODERN APPLICATION DEVELOPMENT

JAVA SPRING BOOT

WEEK ASSIGNMENT-3

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DRIVE LINK:

<https://drive.google.com/drive/folders/1cPPLrlocer2Dpr25Nk27vMROXa2-cnAN?usp=sharing>

1) Implement JDBC:

Table Creation:

CREATE TABLE Persons (

PersonID int,

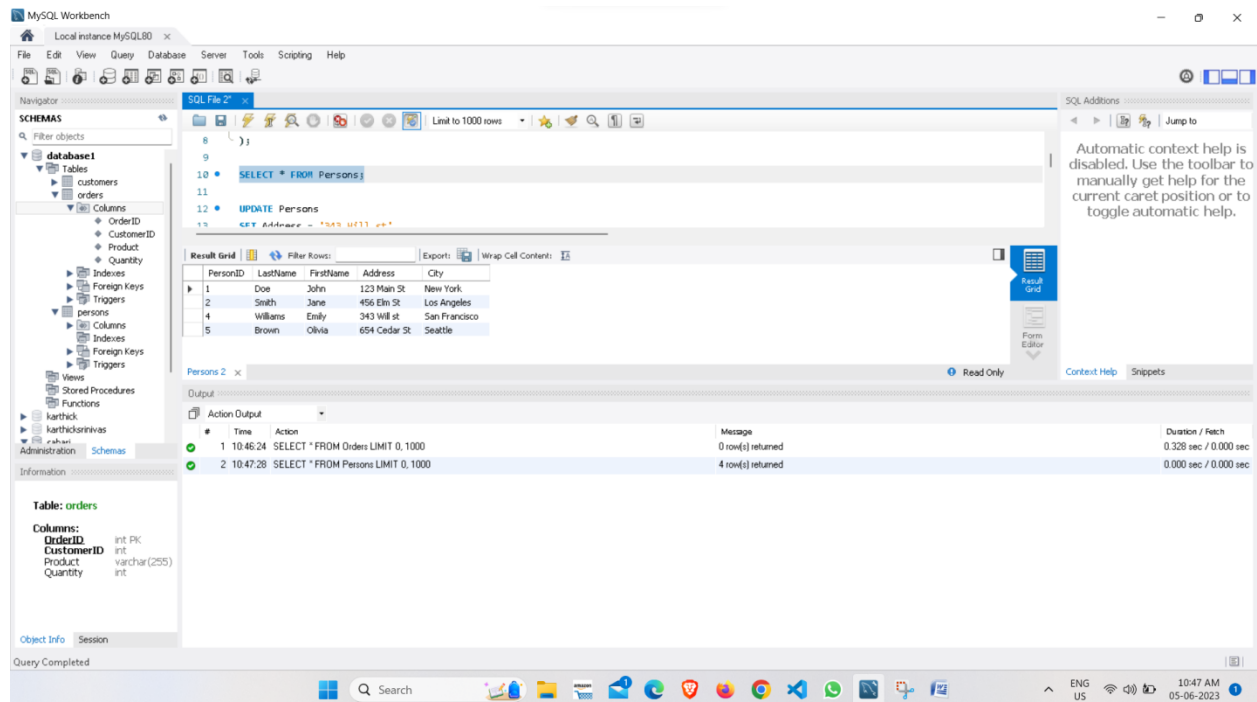
LastName varchar(255),

FirstName varchar(255),

Address varchar(255),

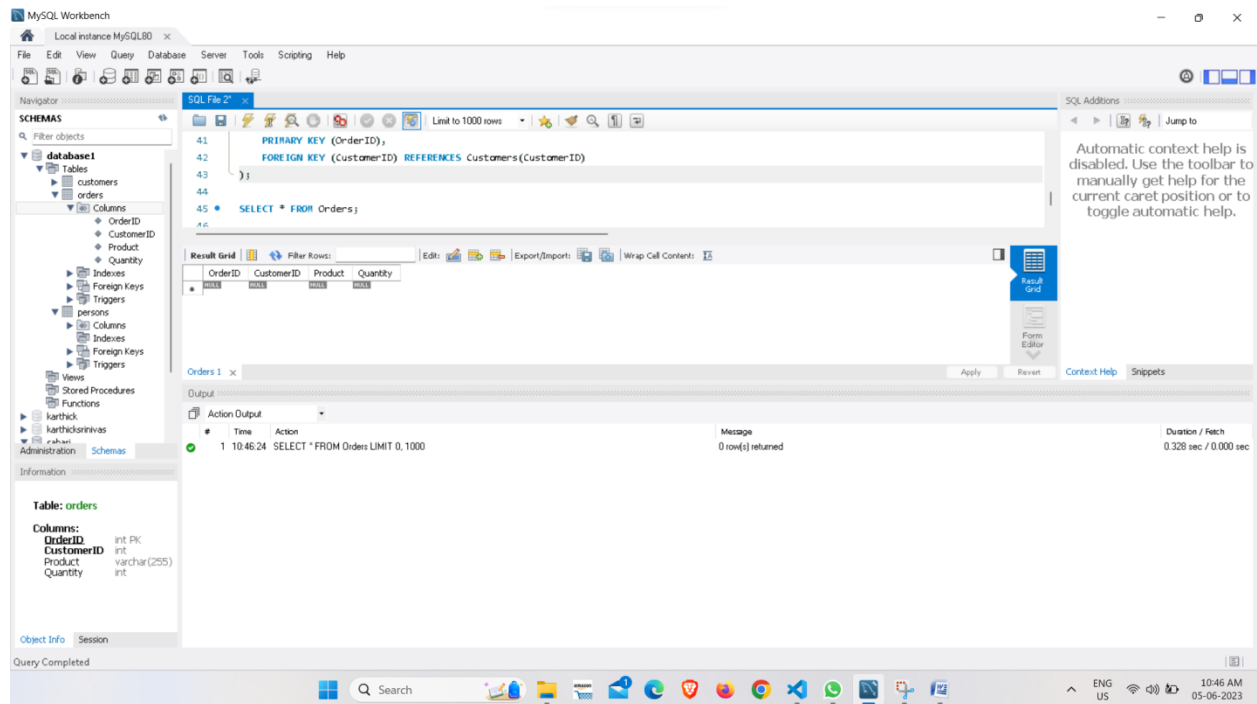
City varchar(255)

);



CREATE TABLE Orders (

OrderID int,
CustomerID int,
Product varchar(255),
Quantity int,
PRIMARY KEY (OrderID),
FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);



JDBC CODE:

```
import java.sql.*;

class App {
    public static void main(String[] args)
    {
        String url = "jdbc:mysql://localhost:3306/database1";
        String username = "root";
        String password = "Ars@3435";

        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 Persons");

    //FOR TABLE "CUSTOMERS"
    System.out.println("\nTABLE - PERSONS");
    System.out.println("-----");
    while (resultSet.next()) {
        int PersonID = resultSet.getInt("PersonID");
        String lname = resultSet.getString("Lastname");
        String fname = resultSet.getString("Firstname");
        String Address = resultSet.getString("Address");
        String City = resultSet.getString("City");

        System.out.println(PersonID+" "+fname+" "+lname+" "+Address+" "+City);
    }
    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 Product = resultSet1.getString("Product");
        int productid = resultSet1.getInt("ProductID");

        System.out.println(orderid+" "+customerid+" "+Product+" "+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();
        } } }
} }

```

OUTPUT:

```
PS D:\ASSIGNMENT\ASSIGNMENT-3\KARTHICKSRINIVAS\data> d:; cd 'd:\ASSIGNMENT\ASSIGNMENT-3\KARTHICKSRINIVAS\data'; & 'C:\Program Files\Java\jdk-17.0.2\bin\java.exe' '@C:\Users\Welcome\AppData\Local\Temp\cp_bec7g3zdv41bp2yzzu1ubeeie.argfile' 'App'
```

TABLE - PERSONS

```
-----  
1 John Doe 123 Main St New York  
2 Jane Smith 456 Elm St Los Angeles  
4 Emily Williams 343 Will st San Francisco  
5 Olivia Brown 654 Cedar St Seattle
```