MODERN APPLICATION DEVELOPMENT

JAVA SPRING BOOT

WEEK-2 ASSIGNMENT

Reg.No: 20MIS0194

Name : SABARINATH R

Email: sabarinath.2020@vitstudent.ac.in

Drive link:

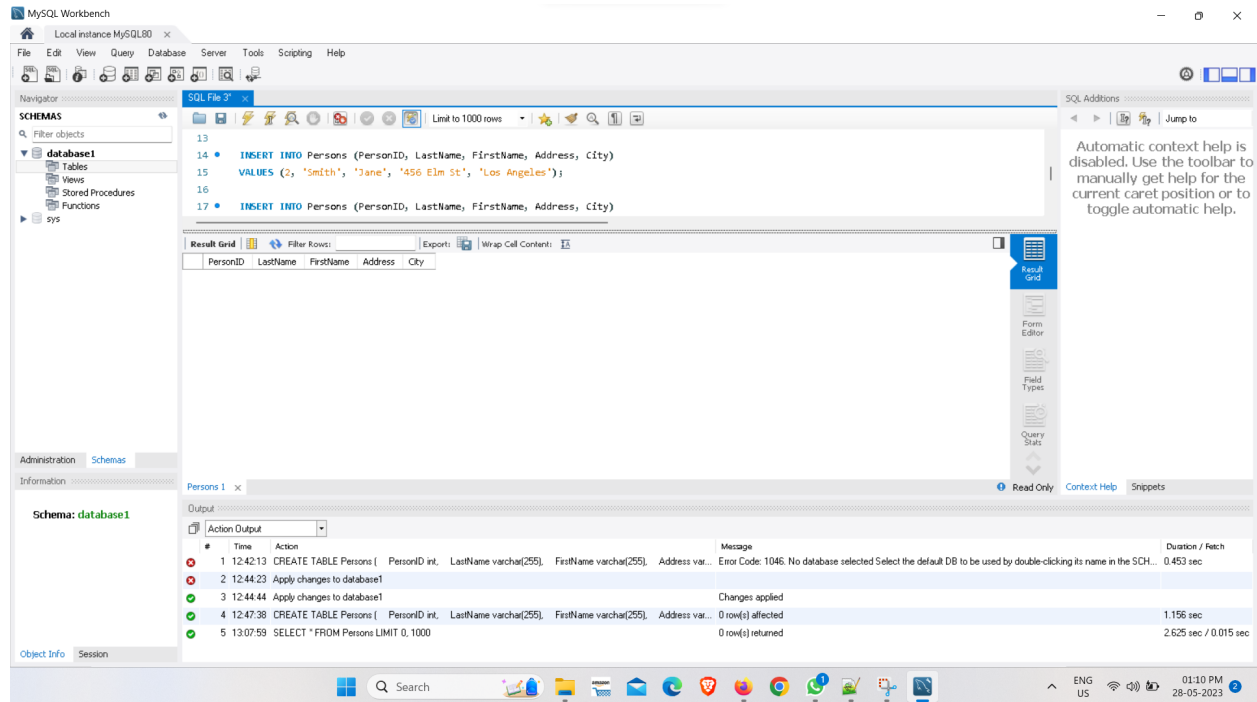**https://drive.google.com/drive/folders/1RKCxfp30I7V60Fwf27-1pZHuaqG8nOwg?usp=share_link**

1) **Create, Update, Delete commands in MySQL**

Create table :

Code:

```
CREATE TABLE Persons (
     PersonID int,
     LastName varchar(255),
     FirstName varchar(255),
     Address varchar(255),
     City varchar(255)
);
```

Output:

Insert:

Code:

```
INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)
VALUES (1, 'Doe', 'John', '123 Main St', 'New York');

INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)
VALUES (2, 'Smith', 'Jane', '456 Elm St', 'Los Angeles');

INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)
VALUES (3, 'Johnson', 'Michael', '789 Oak St', 'Chicago');

INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)
VALUES (4, 'Williams', 'Emily', '987 Pine St', 'San Francisco');

INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)
VALUES (5, 'Brown', 'Olivia', '654 Cedar St', 'Seattle');
```
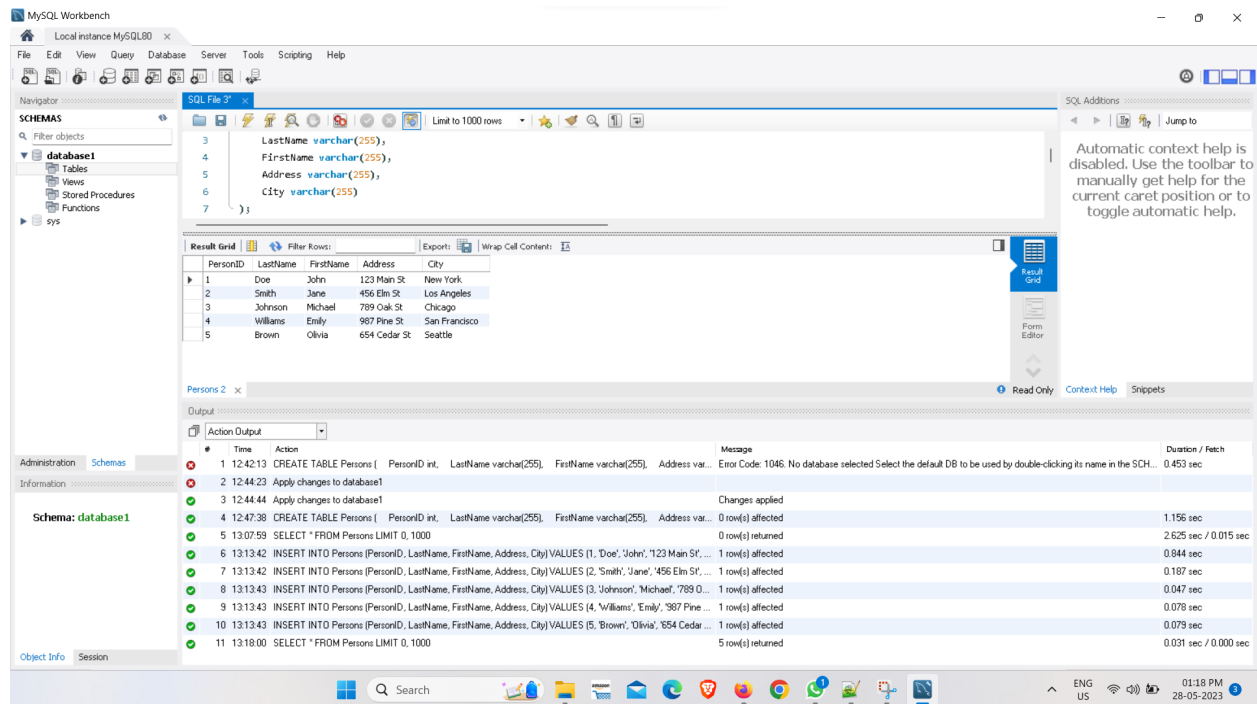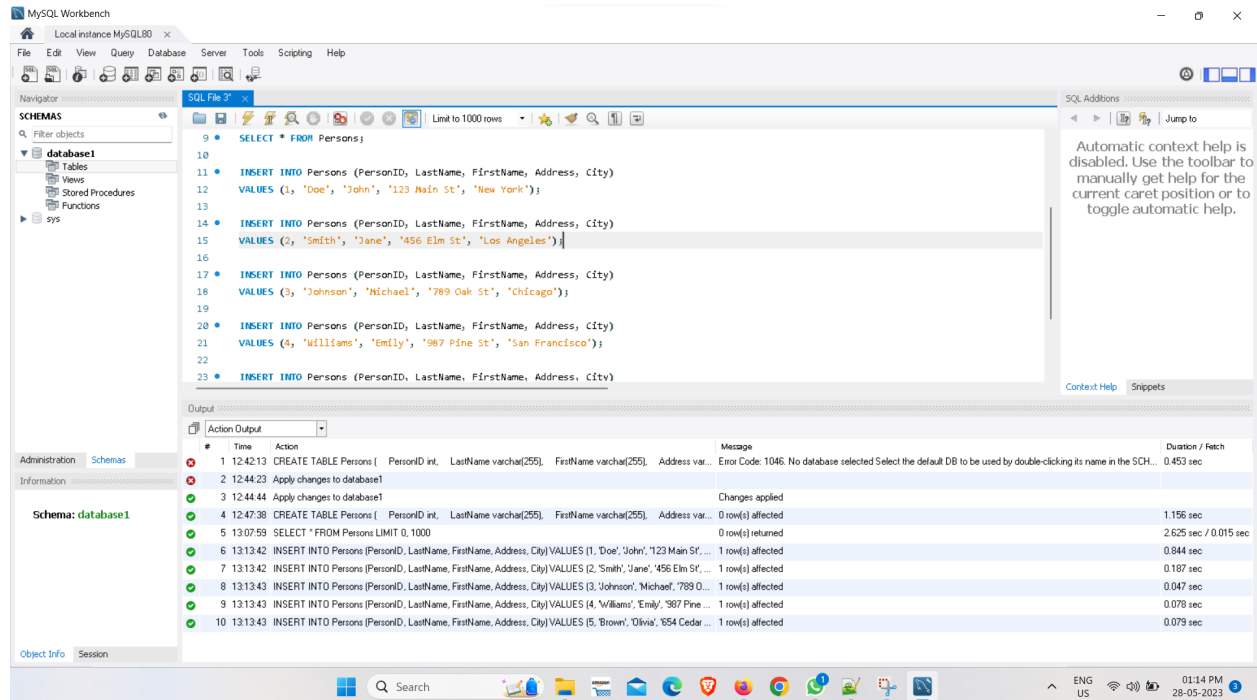
Output:

Update:

Code:

UPDATE Persons

SET Address = '343 Will st'
WHERE PersonID = 4;

Output:

Delete:

DELETE FROM Persons WHERE PersonID = 3;
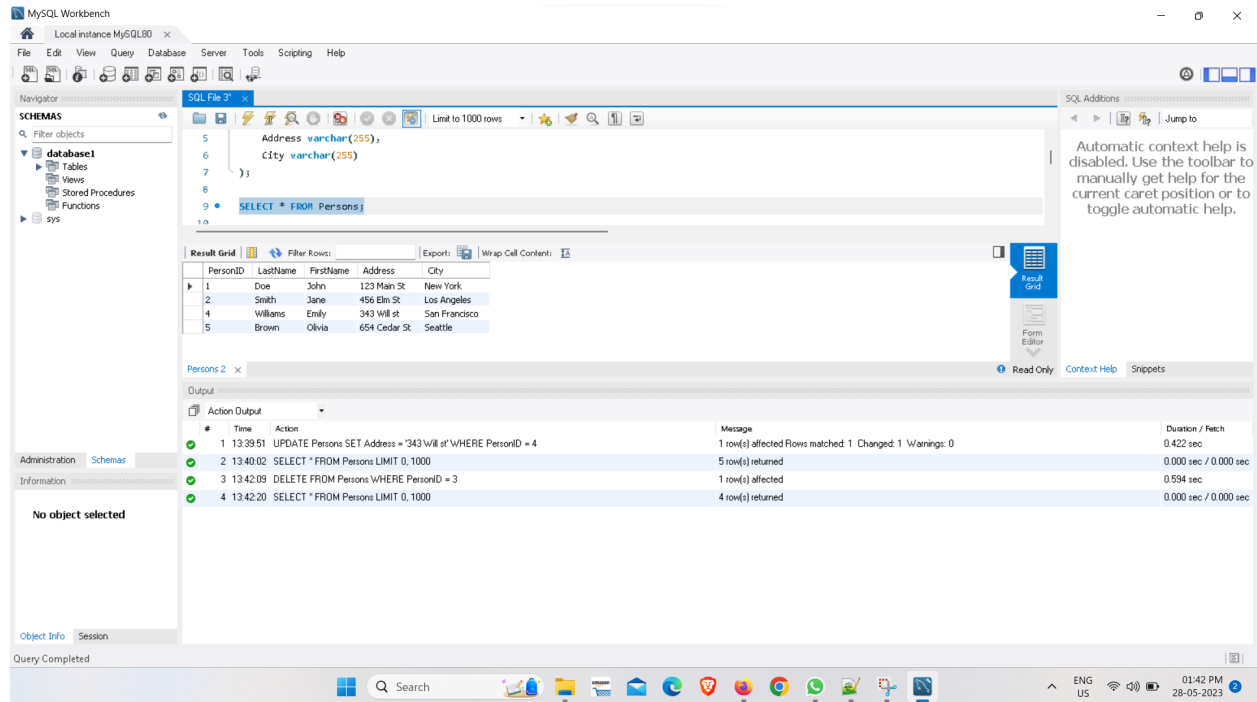
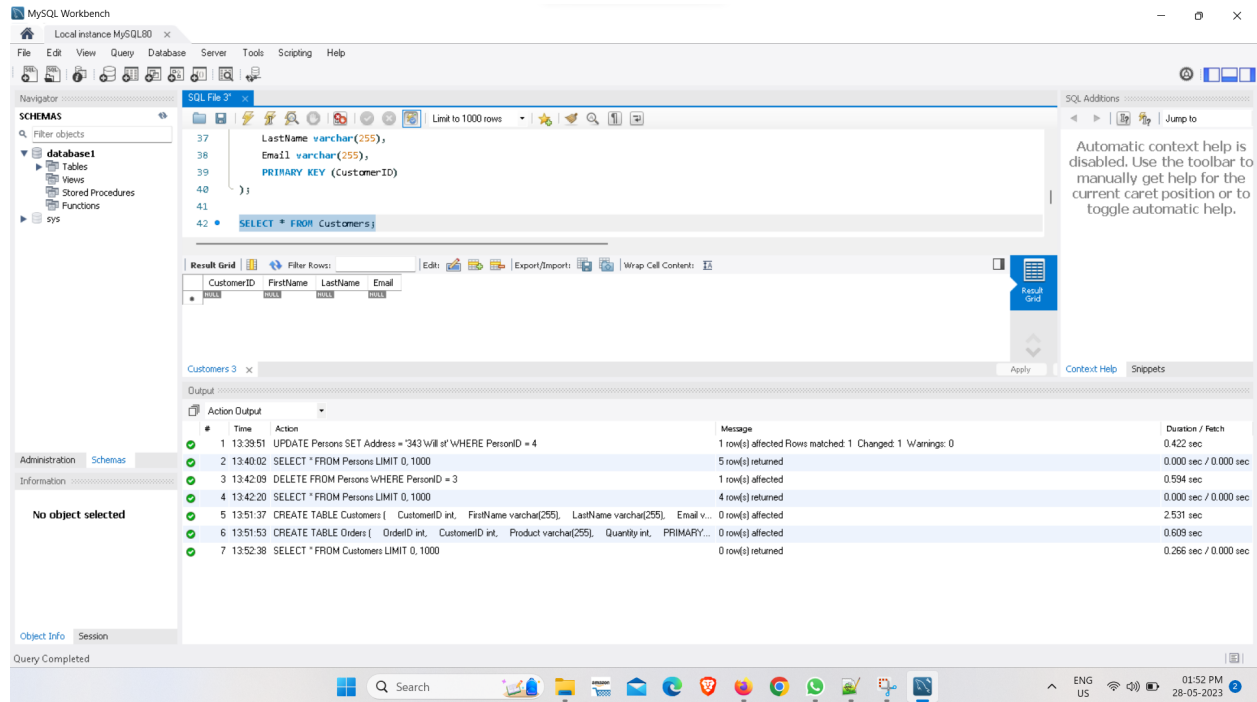## 2) Create table and joins in MySQL

Code:

Create table:

```
CREATE TABLE Customers (
    CustomerID int,
    FirstName varchar(255),
    LastName varchar(255),
    Email varchar(255),
    PRIMARY KEY (CustomerID)
);
```

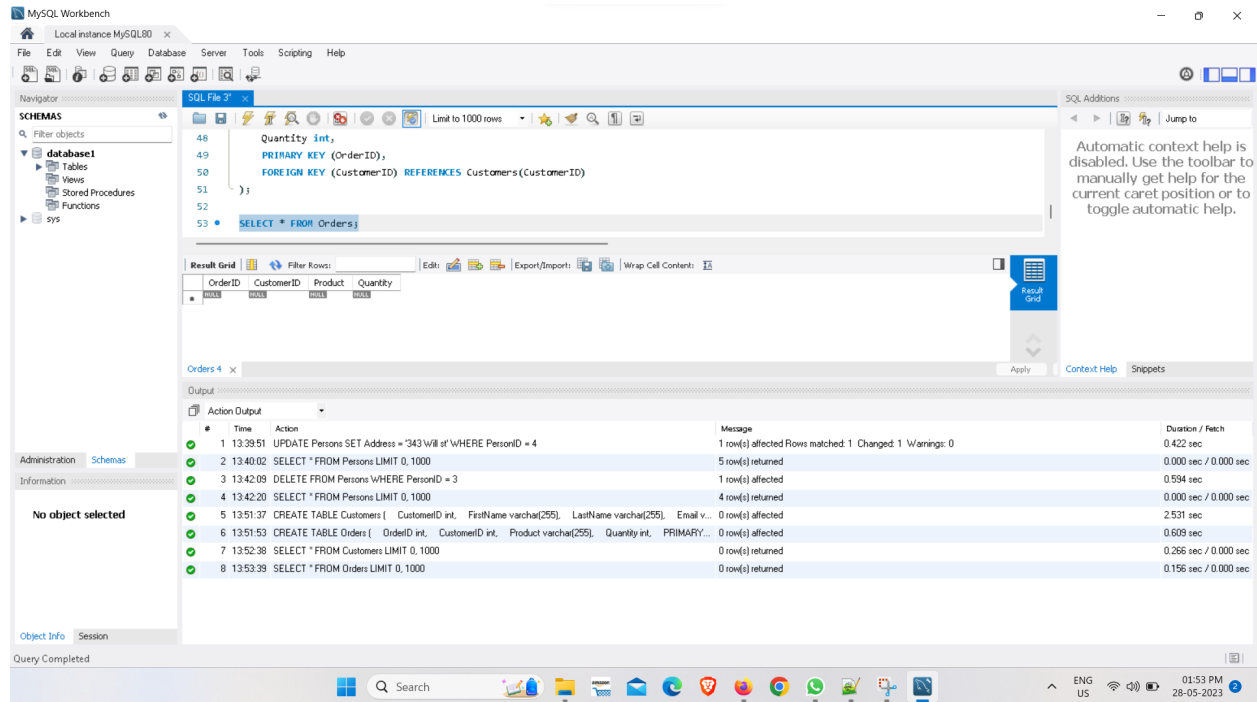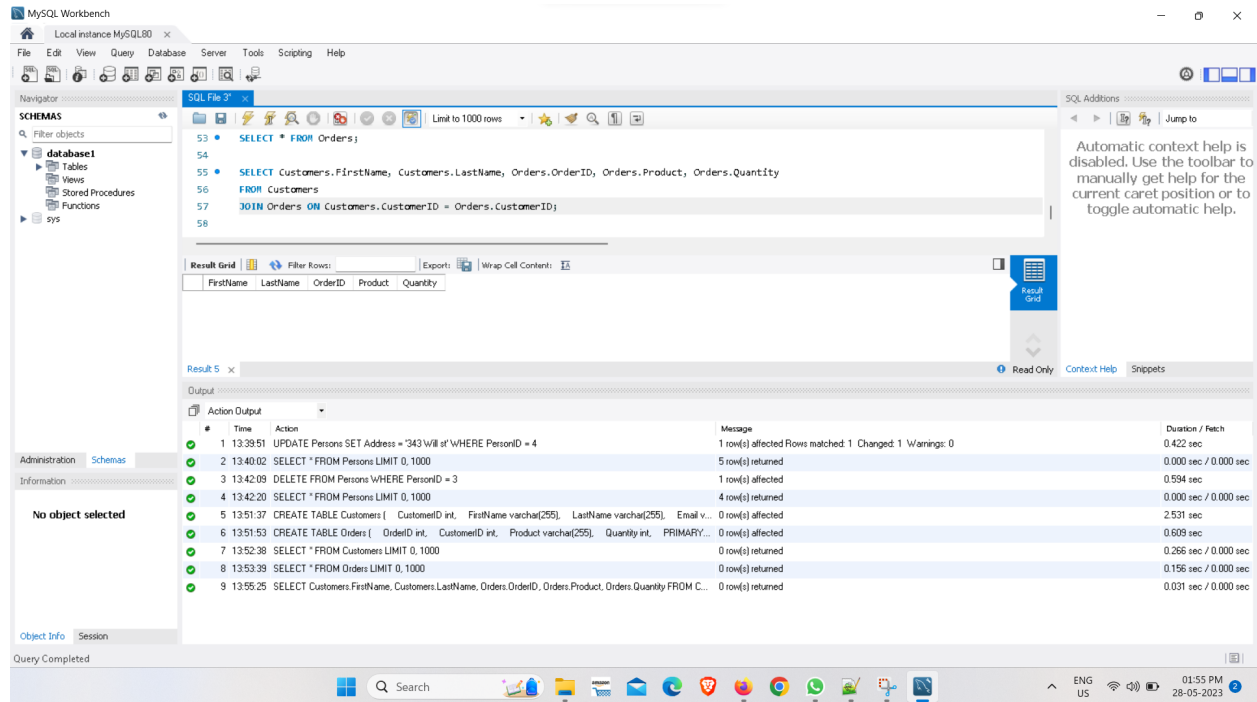CREATE TABLE Orders (
        OrderID int,
        CustomerID int,
        Product varchar(255),
        Quantity int,
        PRIMARY KEY (OrderID),
        FOREIGN KEY (CustomerID) REFERENCES
Customers(CustomerID)
);

JOIN:

SELECT Customers.FirstName, Customers.LastName, Orders.OrderID, Orders.Product, Orders.Quantity
FROM Customers
JOIN Orders ON Customers.CustomerID = Orders.CustomerID;

INNER JOIN:
SELECT Customers.FirstName, Customers.LastName, Orders.OrderID,
Orders.Product, Orders.Quantity
FROM Customers
INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID;

RIGHT JOIN:

SELECT Customers.FirstName, Customers.LastName, Orders.OrderID,
Orders.Product, Orders.Quantity
FROM Customers
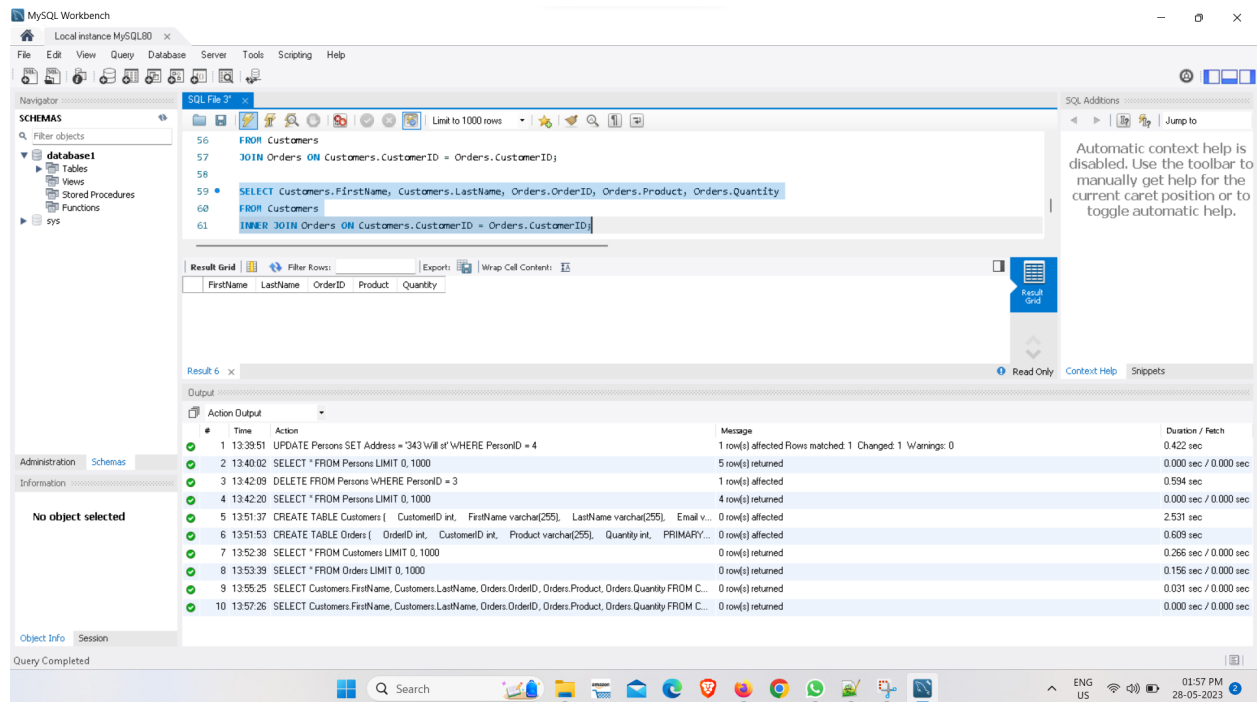RIGHT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;

LEFT JOIN:

SELECT Customers.FirstName, Customers.LastName, Orders.OrderID, Orders.Product, Orders.Quantity
FROM Customers
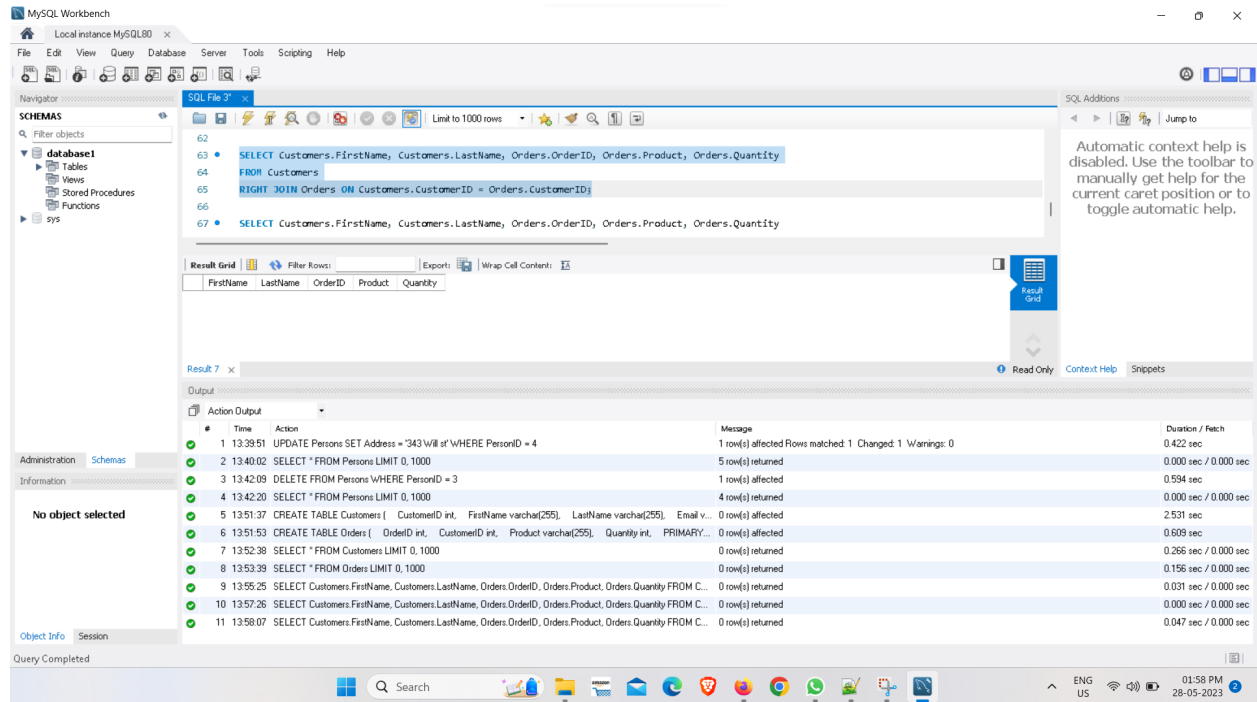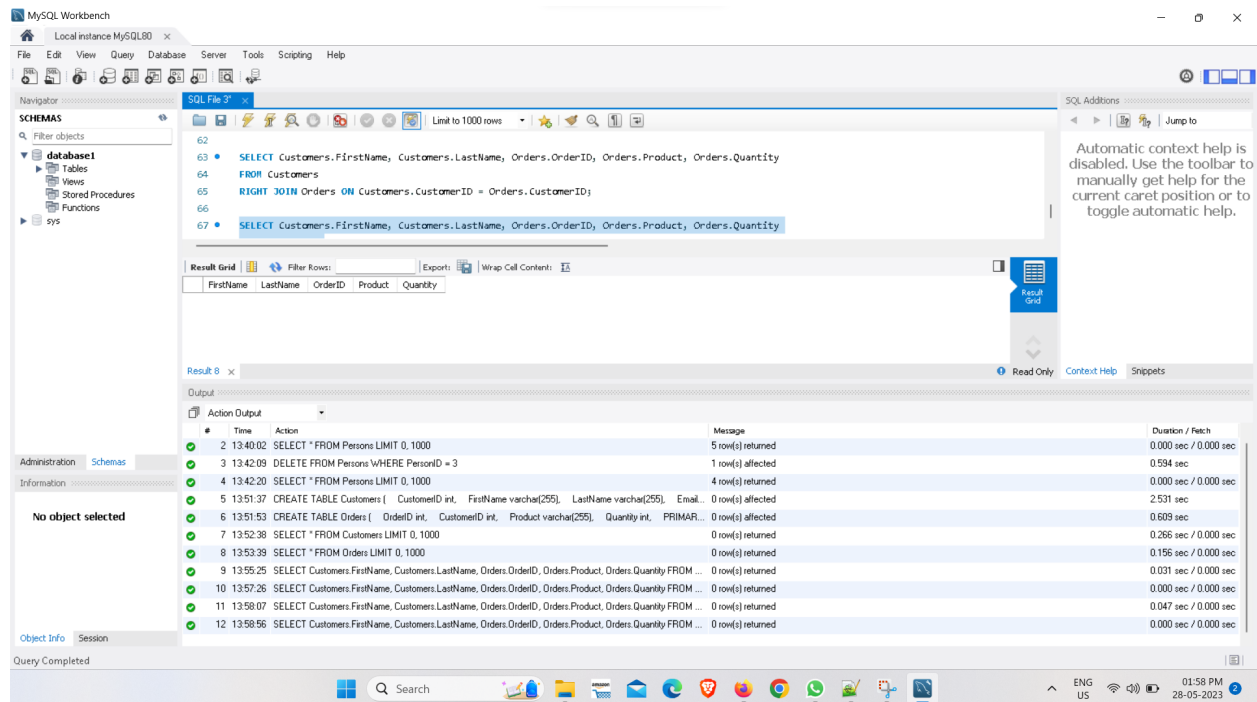LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;

3) Create , update, delete commands in mongo

Create:

db.Persons.insertOne({personid:"1",name:"williams",age:"20",Adress:"852 pine st"})

db.Persons.insertOne({personid:"3",name:"john",age:"21",Adress:"564 main st"})

db.Persons.insertOne({personid:"2",name:"smith",age:"19",Adress:"123 will st"})

db.Persons.insertOne({personid:"4",name:"jane",age:"23",Adress:"496 elm st"})
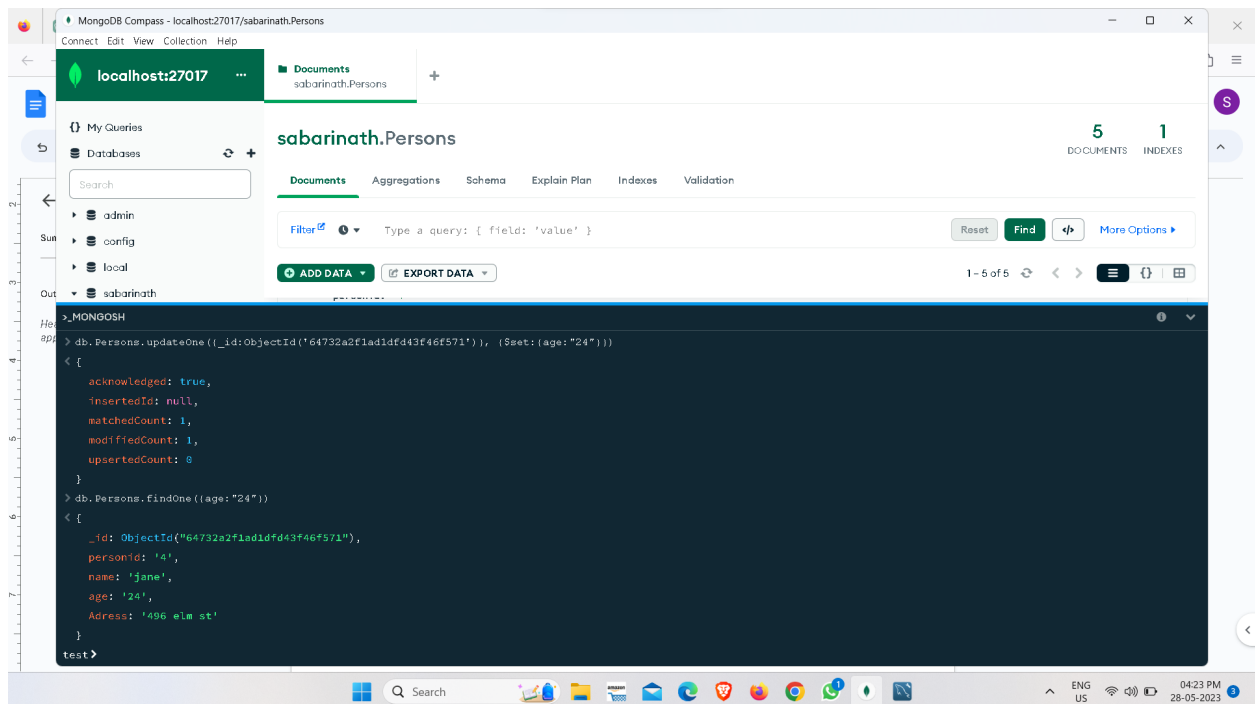
db.Persons.insertOne({personid:"5",name:"johnson",age:"22",Adress:"480 main st"})
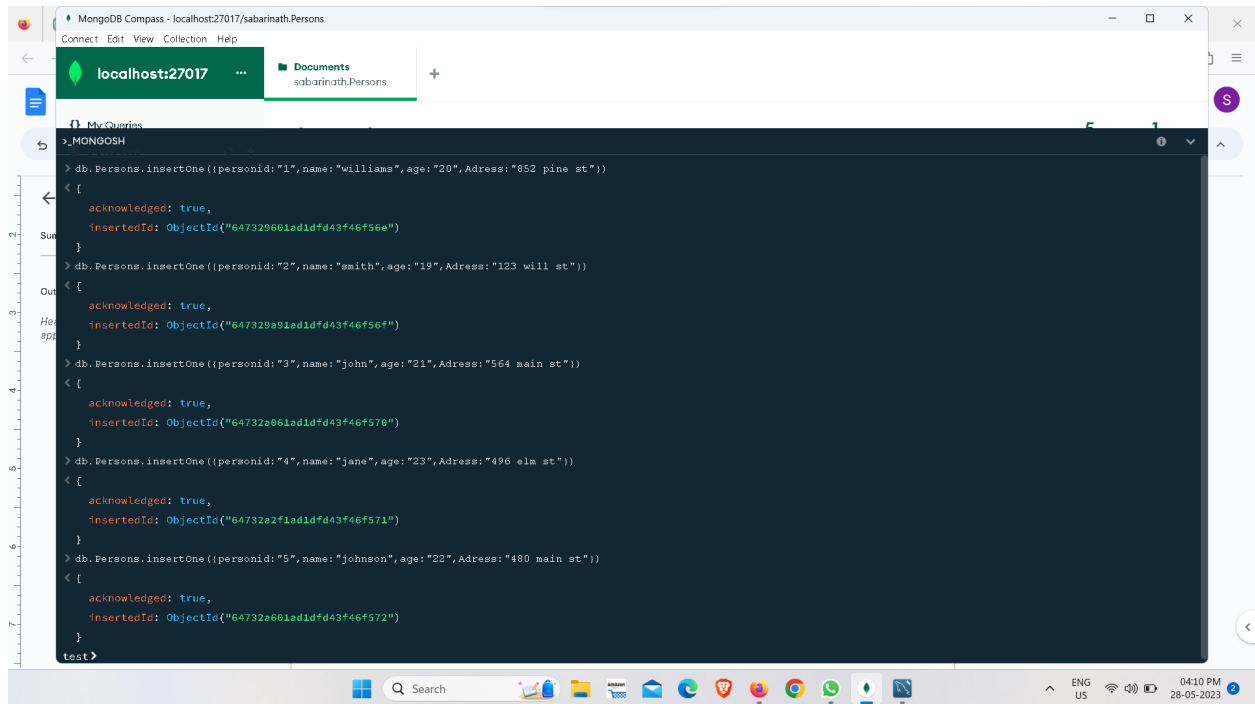
Update:

db.Persons.updateOne({_id:ObjectId('64732a2f1ad1dfd43f46f571')}, {$set:{age:"24"}})

db.Persons.findOne({age:"24"})

Delete:

db.Persons.deleteOne({name:"smith"})

db.Persons.find()

MongoDB Compass - localhost:27017/sabarinath.Persons

Connect Edit View Collection Help

localhost:27017 ...

Documents
sabarinath.Persons

{} My Queries

>_MONGOSH

```
    name: 'williams',
    age: '20',
    Adress: '852 pine st'
  }
  {
    _id: ObjectId("64732a061ad1dfd43f46f570"),
    personid: '3',
    name: 'john',
    age: '21',
    Adress: '564 main st'
  }
  {
    _id: ObjectId("64732a2f1ad1dfd43f46f571"),
    personid: '4',
    name: 'jane',
    age: '24',
    Adress: '496 elm st'
  }
  {
    _id: ObjectId("64732a601ad1dfd43f46f572"),
    personid: '5',
    name: 'johnson',
    age: '22',
    Adress: '480 main st'
  }
test >
```