MODERN APPLICATION DEVELOPMENT

JAVA SPRING BOOT

WEEK-2 ASSIGNMENT

NAME: YOGESHWARAN R

REG NO: 20MIS0080

EMAIL: yogeshwaran.r2020@vitstudent.ac.in

Drive Link: https://docs.google.com/document/d/1zNIOTf-

L6F SHIG6TVdICVyxYg5ZItyJ/edit?usp=share link&ouid=109521102766593881693

&rtpof=true&sd=true

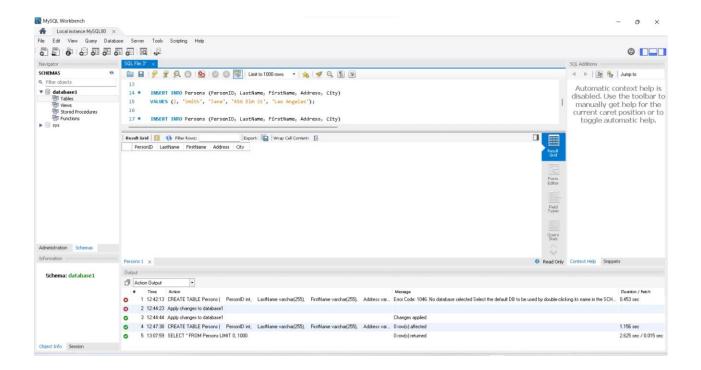
1) Create, Update, Delete commands in MySQL

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');

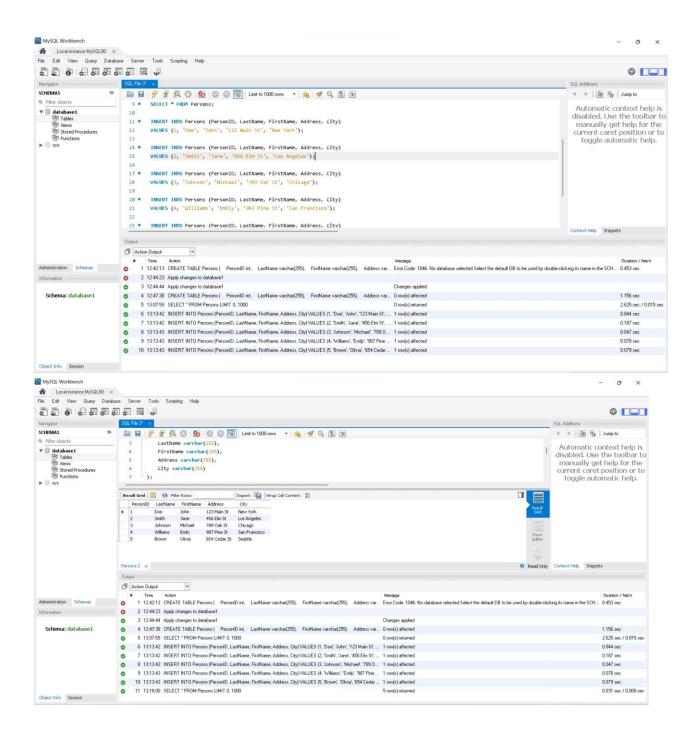
INSERT INTO Persons (PersonID, LastName, FirstName, Address, City) VALUES (2, 'Smith', 'Jane', '456 Elm St', 'Los Angeles');

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:



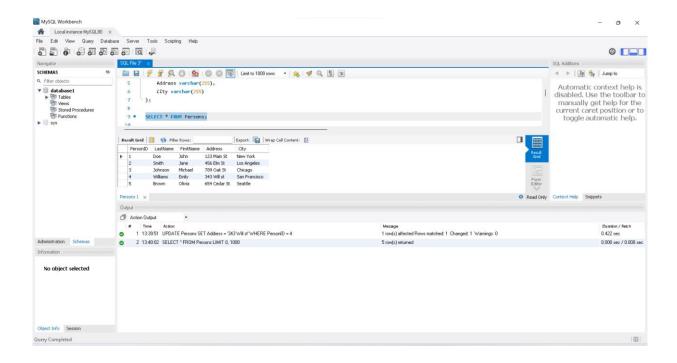
Update:

Code:

UPDATE Persons

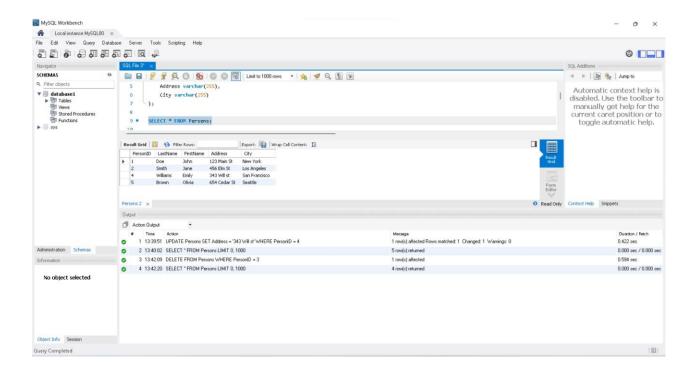
SET Address = '343 Will st' WHERE PersonID = 4;

Output:



Delete:

DELETE FROM Persons WHERE PersonID = 3;

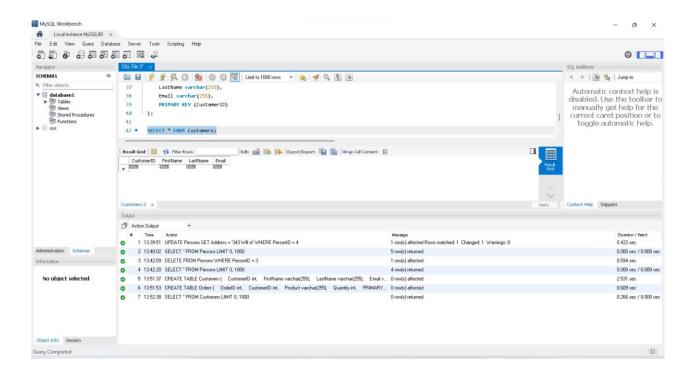


2) Create table and joins in MySQL

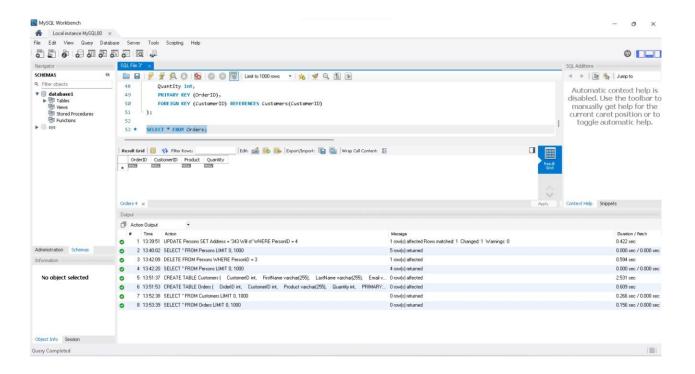
Code:

Create table:

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



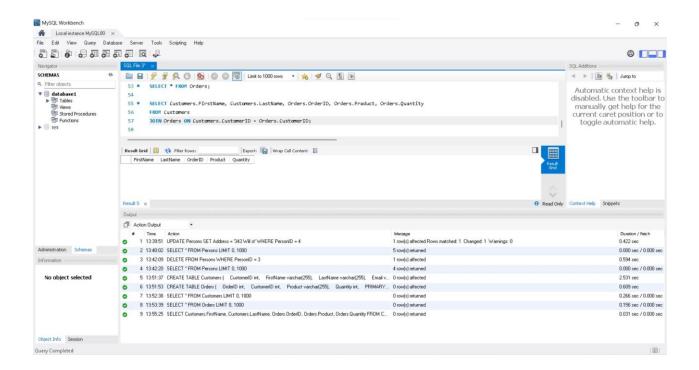
```
CREATE TABLE Orders (
OrderID int,
CustomerID int,
Product varchar(255),
Quantity int,
PRIMARY KEY (OrderID),
FOREIGN KEY (CustomerID) REFERENCES
Customers(CustomerID)
);
```



JOIN:

SELECT Customers.FirstName, Customers.LastName, Orders.OrderID, Orders.Product, Orders.Quantity FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID;

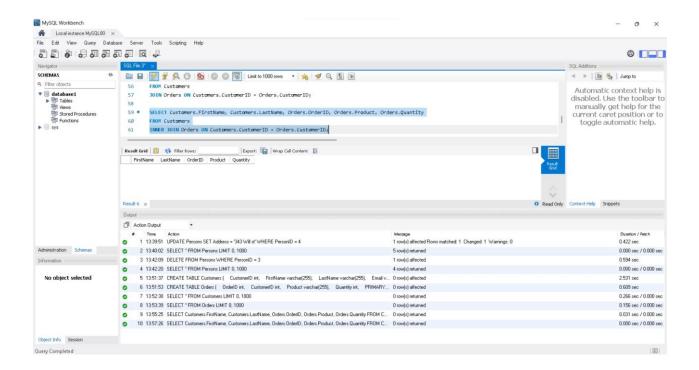


INNER JOIN:

SELECT Customers.FirstName, Customers.LastName, Orders.OrderID, Orders.Product, Orders.Quantity

FROM Customers

INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID;

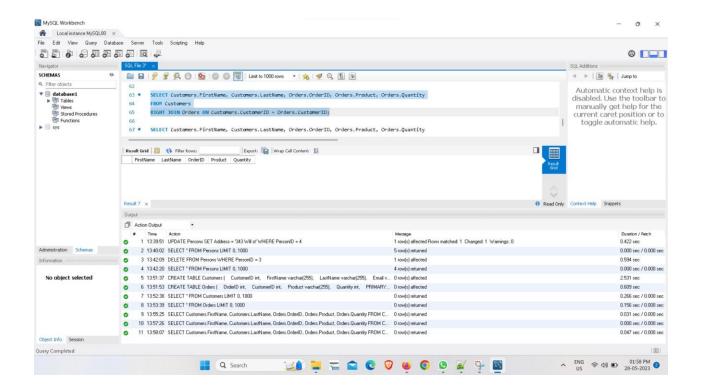


RIGHT JOIN:

SELECT Customers.FirstName, Customers.LastName, Orders.OrderID, Orders.Product, Orders.Quantity

FROM Customers

RIGHT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;

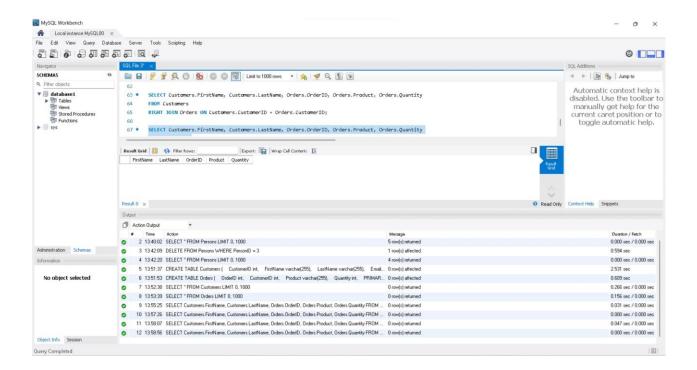


LEFT JOIN:

SELECT Customers.FirstName, Customers.LastName, Orders.OrderID, Orders.Product, Orders.Quantity

FROM Customers

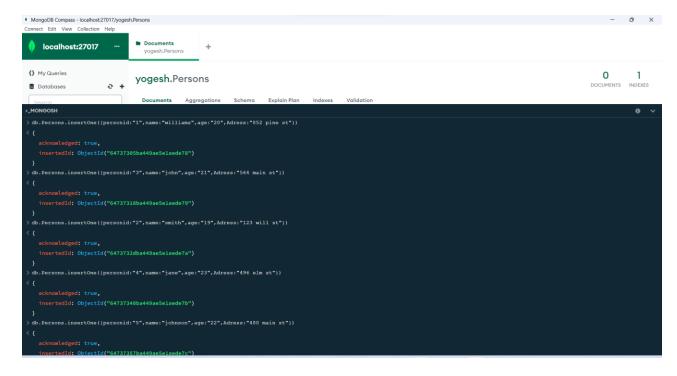
LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;



3) Create, update, delete commands in mongo

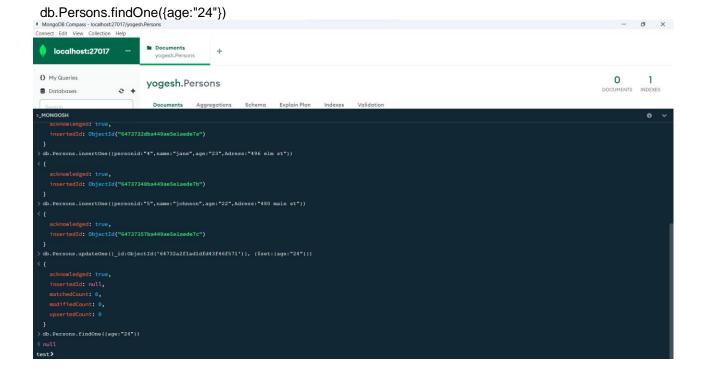
Create:

```
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"}})



Delete:

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

db.Persons.find()

