MODERN APPLICATION DEVELOPMENT

JAVA SPRING BOOT

WEEK-2 ASSIGNMENT

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FILE LINK:

https://drive.google.com/drive/folders/1U4FiBzX0HIEfsasIOprROFWR7x-HbeEw?usp=share_link

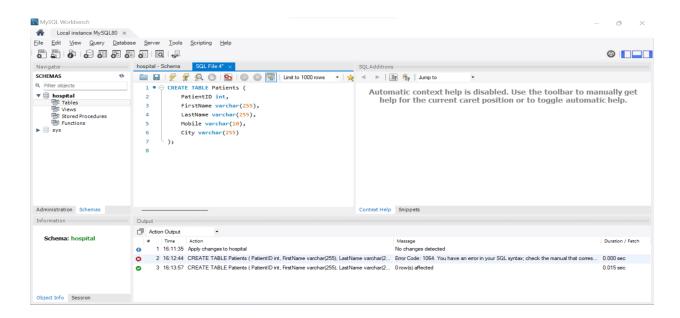
1) Create, Update, Delete commands in MySQL

```
Create table:
```

Code:

```
CREATE TABLE Patients (
PatientID int,
FirstName varchar(255),
LastName varchar(255),
Mobile varchar(10),
City varchar(255)
);
```

Output:



Insert : Code:

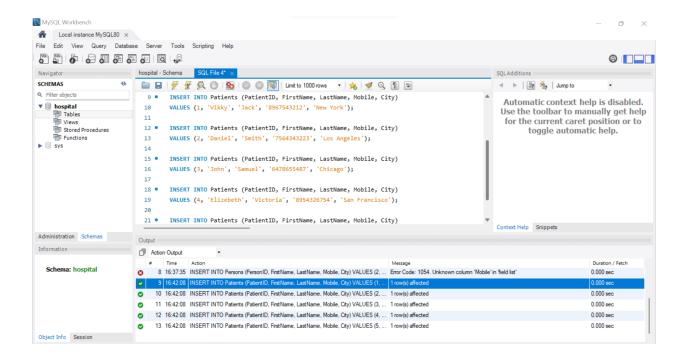
INSERT INTO Patients (PatientID, FirstName, LastName, Mobile, City) VALUES (1, 'Vikky', 'Jack', '8967543212', 'New York');

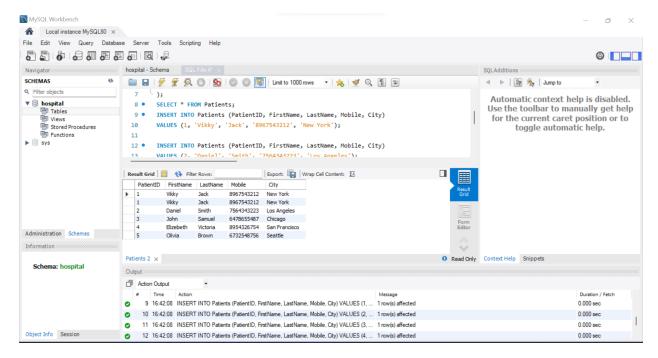
INSERT INTO Patients (PatientID, FirstName, LastName, Mobile, City) VALUES (2, 'Daniel', 'Smith', '7564343223', 'Los Angeles');

INSERT INTO Patients (PatientID, FirstName, LastName, Mobile, City) VALUES (3, 'John', 'Samuel', '6478655487', 'Chicago');

INSERT INTO Patients (PatientID, FirstName, LastName, Mobile, City) VALUES (4, 'Elizebeth', 'Victoria', '8954326754', 'San Francisco');

INSERT INTO Patients (PatientID, FirstName, LastName, Mobile, City) VALUES (5, 'Olivia', 'Brown', '6732548756', 'Seattle');

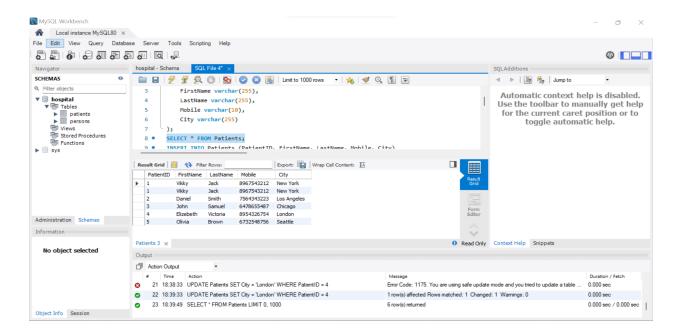




Update:

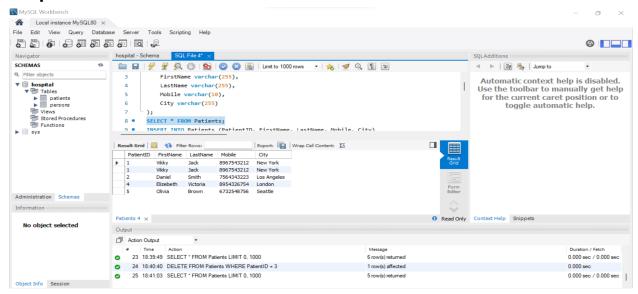
Code:

UPDATE Patients
SET City = 'London'
WHERE PatientID = 4;



Delete:

DELETE FROM Patients WHERE PatientID = 3



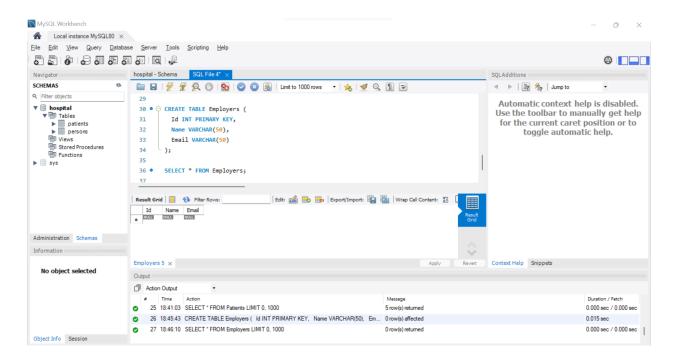
2) Create table and joins in MySQL

Code:

Create table:

```
CREATE TABLE Employers (
Id INT PRIMARY KEY,
Name VARCHAR(50),
Email VARCHAR(50)
);
```

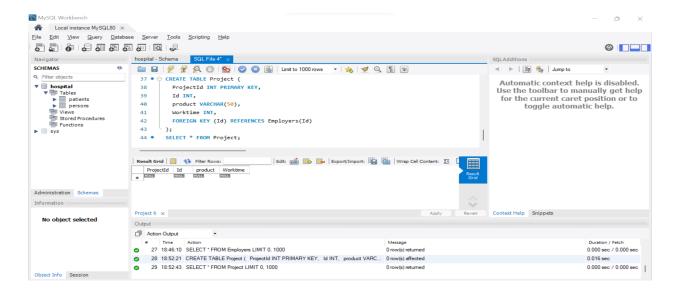
SELECT * FROM Employers;



Create Table Project:

```
CREATE TABLE Project (
ProjectId INT PRIMARY KEY,
Id INT,
product VARCHAR(50),
Worktime INT,
FOREIGN KEY (Id) REFERENCES Employers(Id)
);
SELECT * FROM Project;
```

Output:

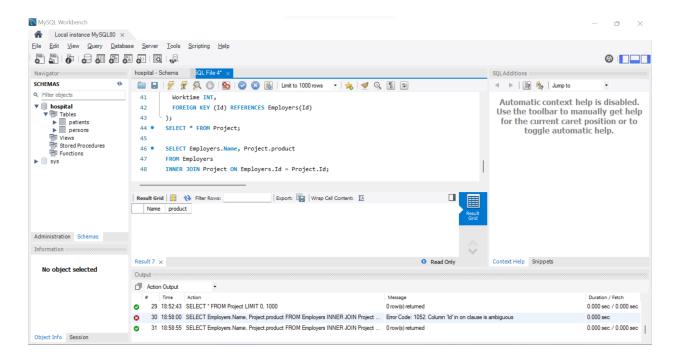


Inner Join:

Code:

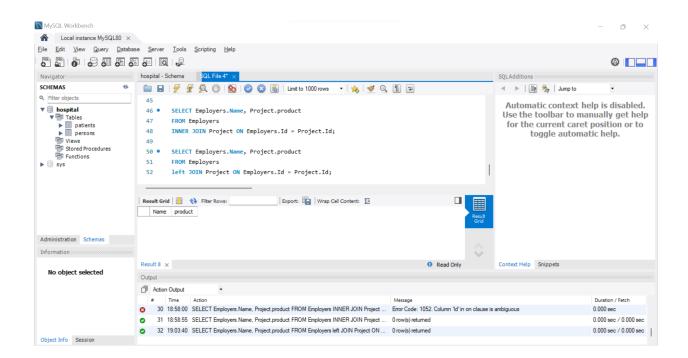
SELECT Employers.Name, Project.product FROM Employers INNER JOIN Project ON Employers.Id = Project.Id;

Output:



Left Join:

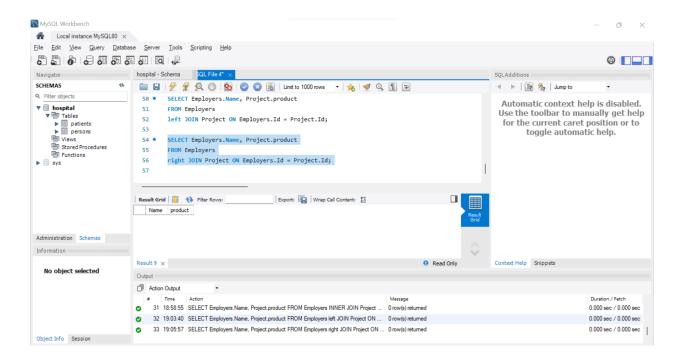
SELECT Employers.Name, Project.product FROM Employers left JOIN Project ON Employers.Id = Project.Id;



Right Join:

SELECT Employers.Name, Project.product FROM Employers right JOIN Project ON Employers.Id = Project.Id;

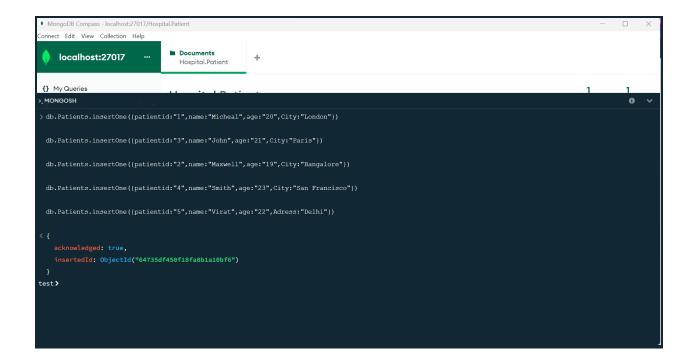
Output:



3) Create, update, delete commands in mongo

Create:

- db.Patients.insertOne({patientid:"1",name:"Micheal",age:"20",City:"London"})
- db.Patients.insertOne({patientid:"3",name:"John",age:"21",City:"Paris"})
- db.Patients.insertOne({patientid:"2",name:"Maxwell",age:"19",City:"Bangalore"})
- db.Patients.insertOne({patientid:"4",name:"Smith",age:"23",City:"San Francisco"})
- db.Patients.insertOne({patientid:"5",name:"Virat",age:"22",Adress:"Delhi"})



Update:

db.Patients.updateOne({_id:ObjectId('64735df450f18fa8b1a10bf6')}, {\$set:{age:"24"}}) db.Patients.findOne({age:"24"})

Delete:

db.Patients.deleteOne({name:"Smith"})

db.Patients.find()

