

## Week Assignment-2

Harishkumar S

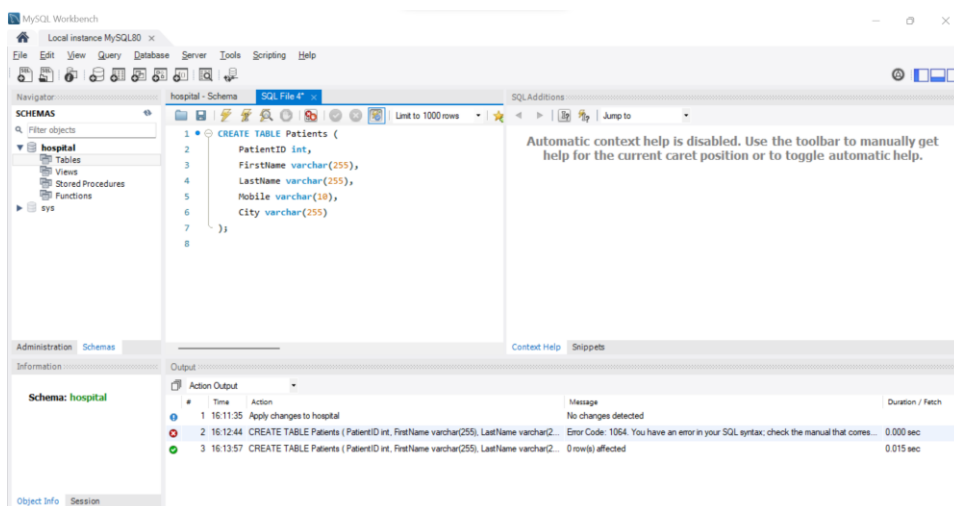
File Link: [https://drive.google.com/drive/folders/1S3-vAi\\_zJrdyWoAWdMWmFybsMUVLapfG?usp=sharing](https://drive.google.com/drive/folders/1S3-vAi_zJrdyWoAWdMWmFybsMUVLapfG?usp=sharing)

### 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)  
)
```



**Insert :**

**Code:**

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

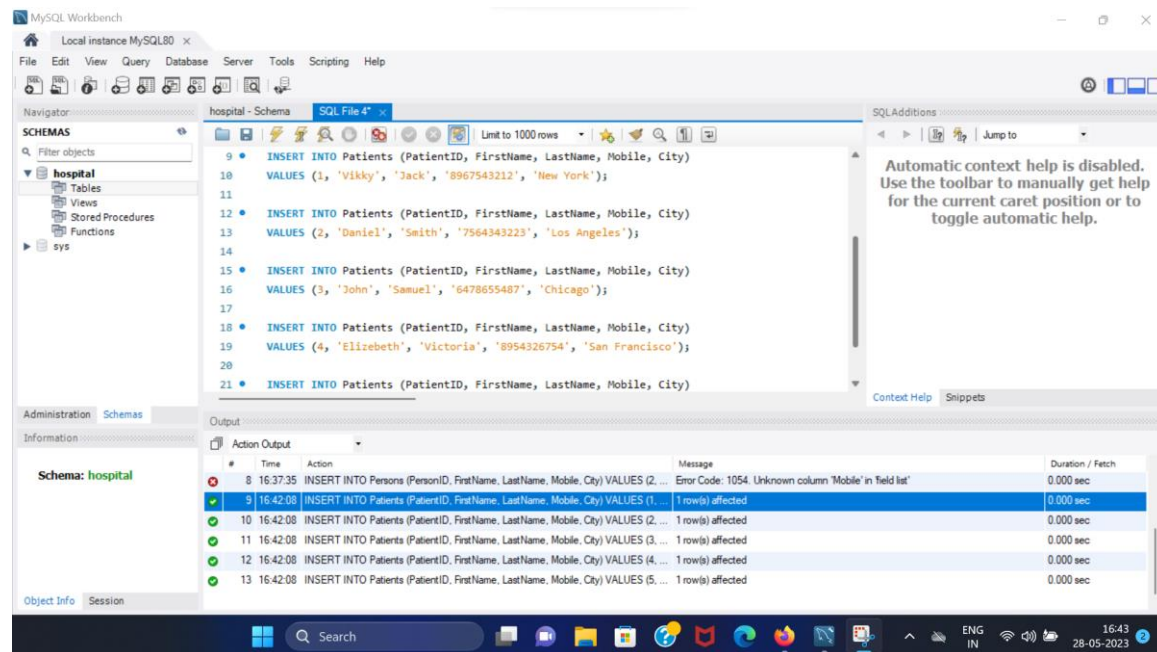
```
INSERT INTO Patients (PatientID, FirstName, LastName, Mobile, City)  
VALUES (2, 'Daniel', 'Smith', '7564343223', 'Los Angeles');
```

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

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

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

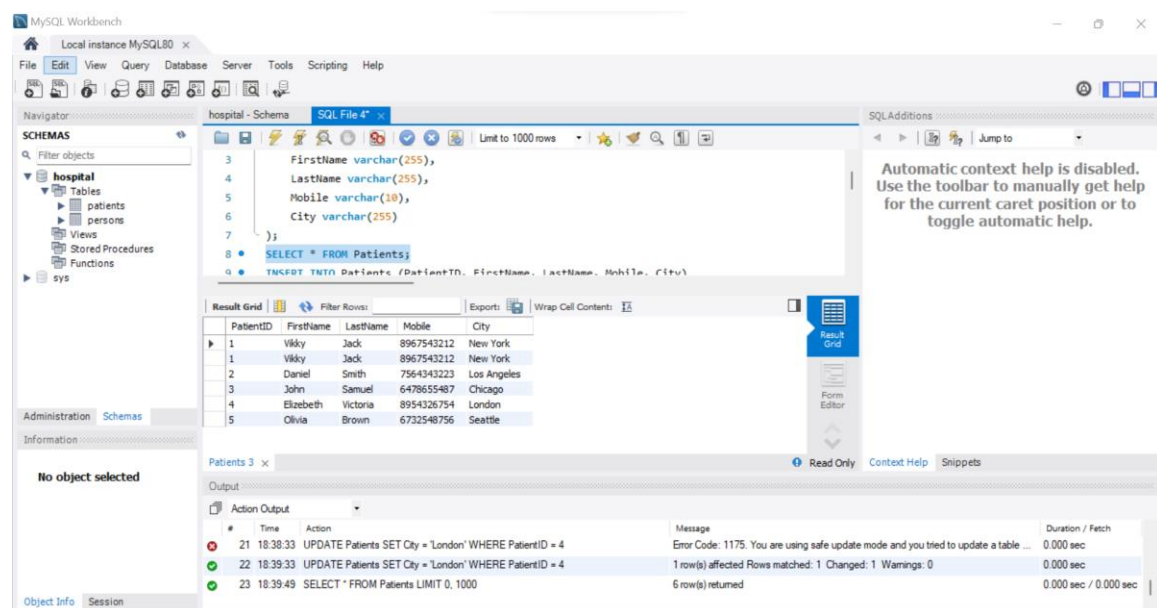
output



Update:

Code:

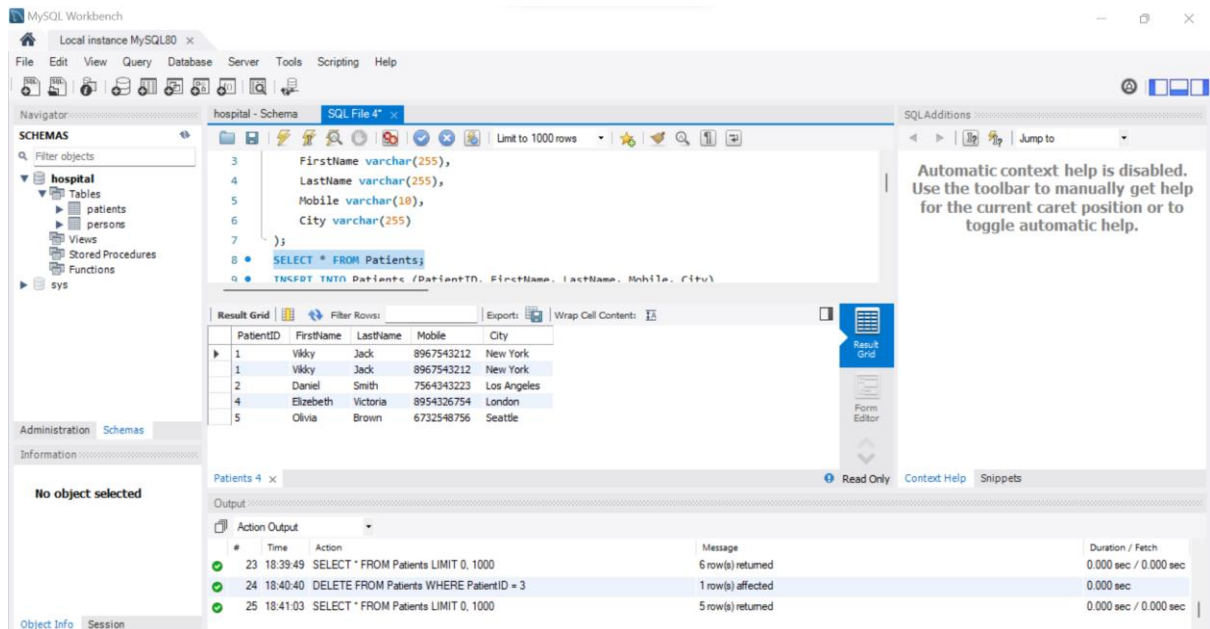
UPDATE Patients  
SET City = 'London'  
WHERE PatientID = 4;



Delete:

DELETE FROM Patients WHERE PatientID = 3

Output:



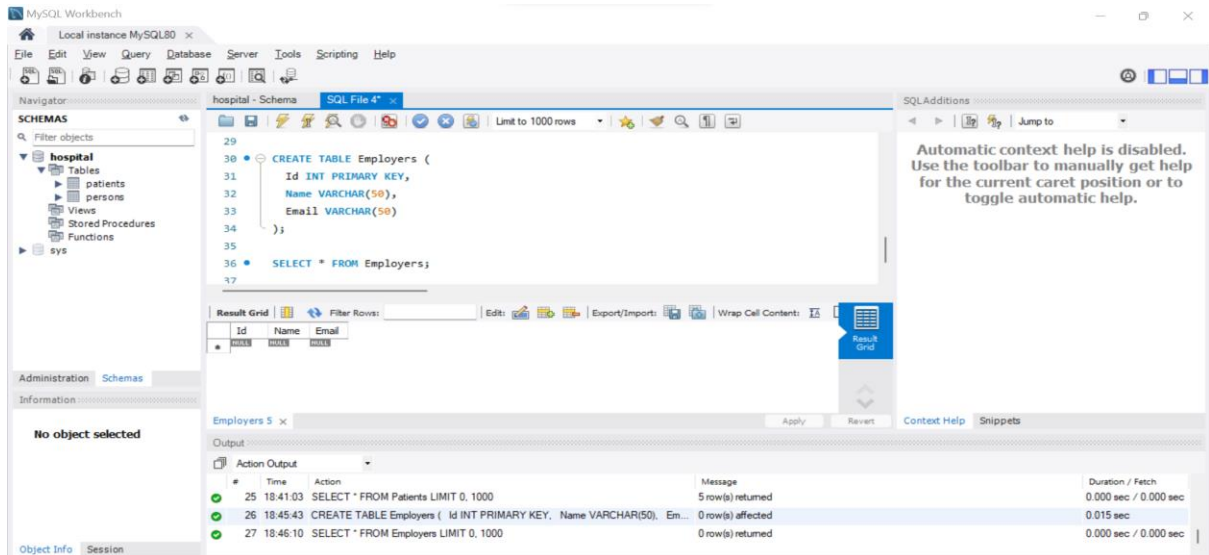
2) Create table and joins in MySQL

Code:

Create table:

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

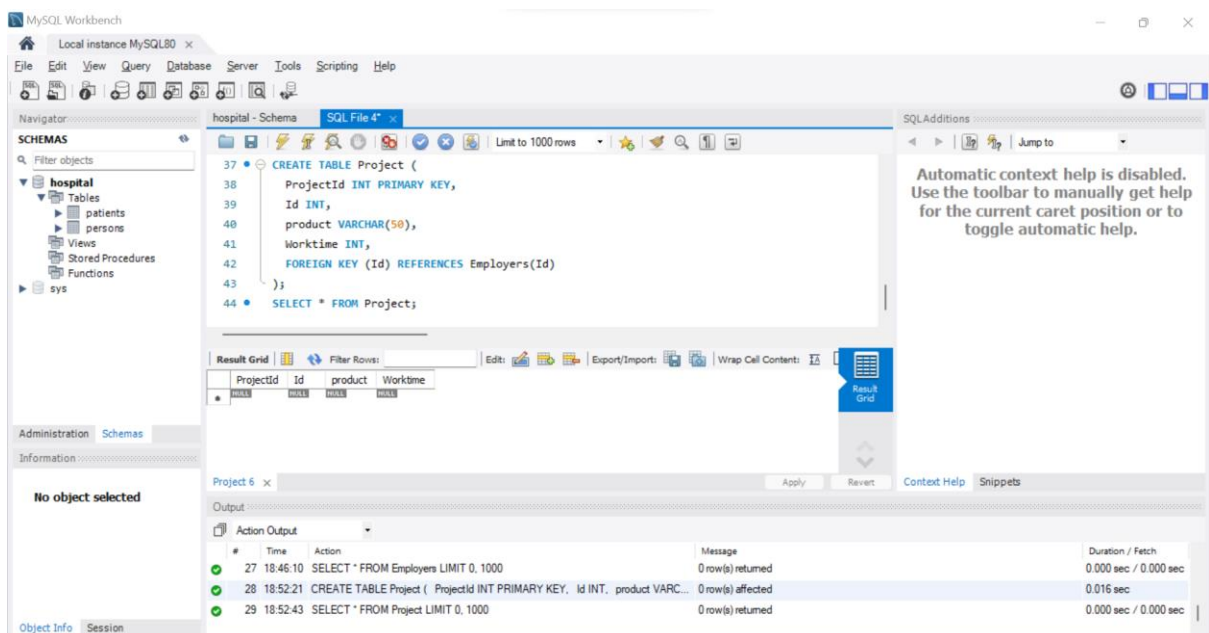
Output:



## Create Table Project :

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

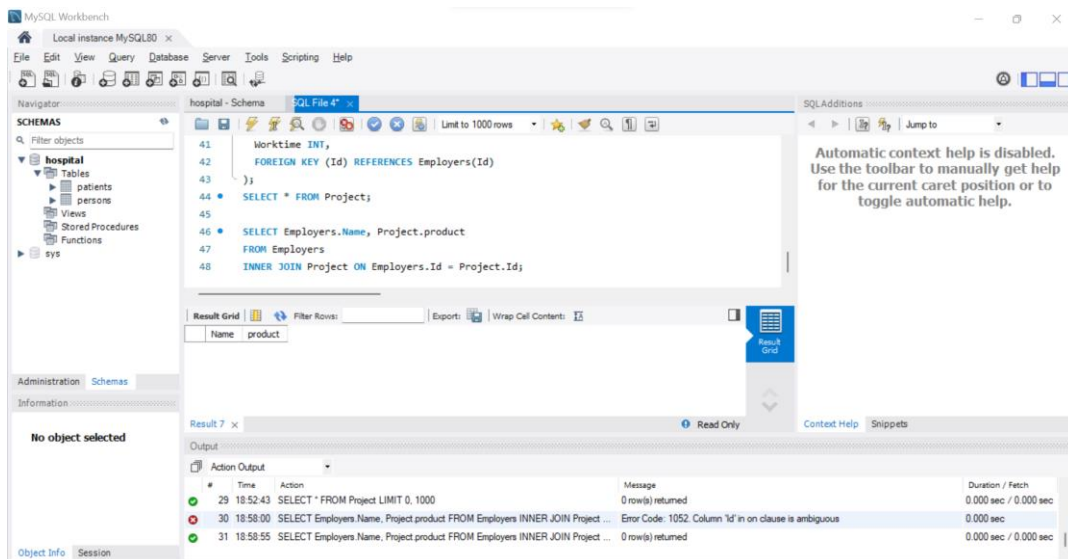
## Output :



Inner Join :  
Code:

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

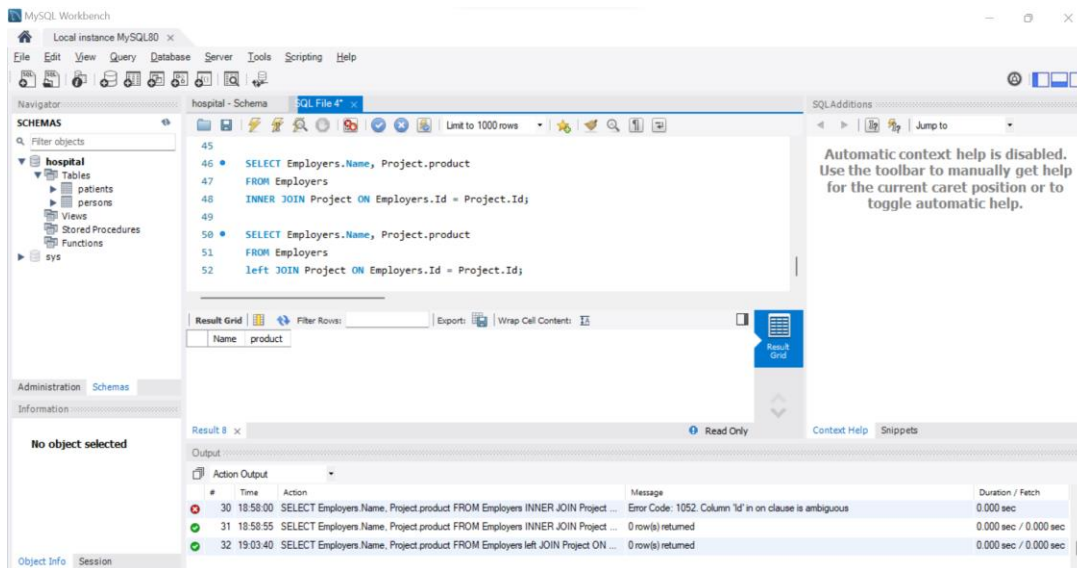
## Output:



## Left Join:

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

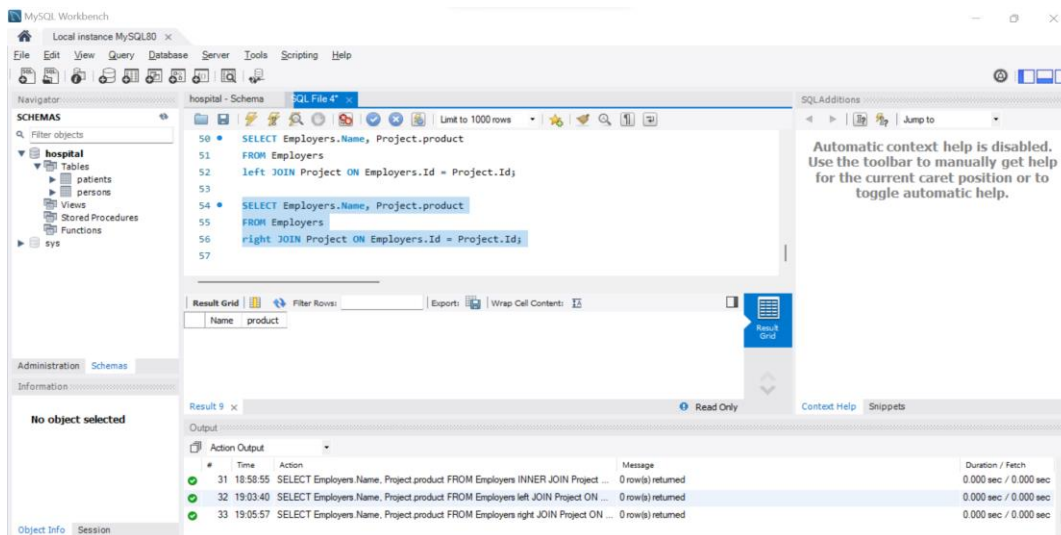
## Output



## 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"})

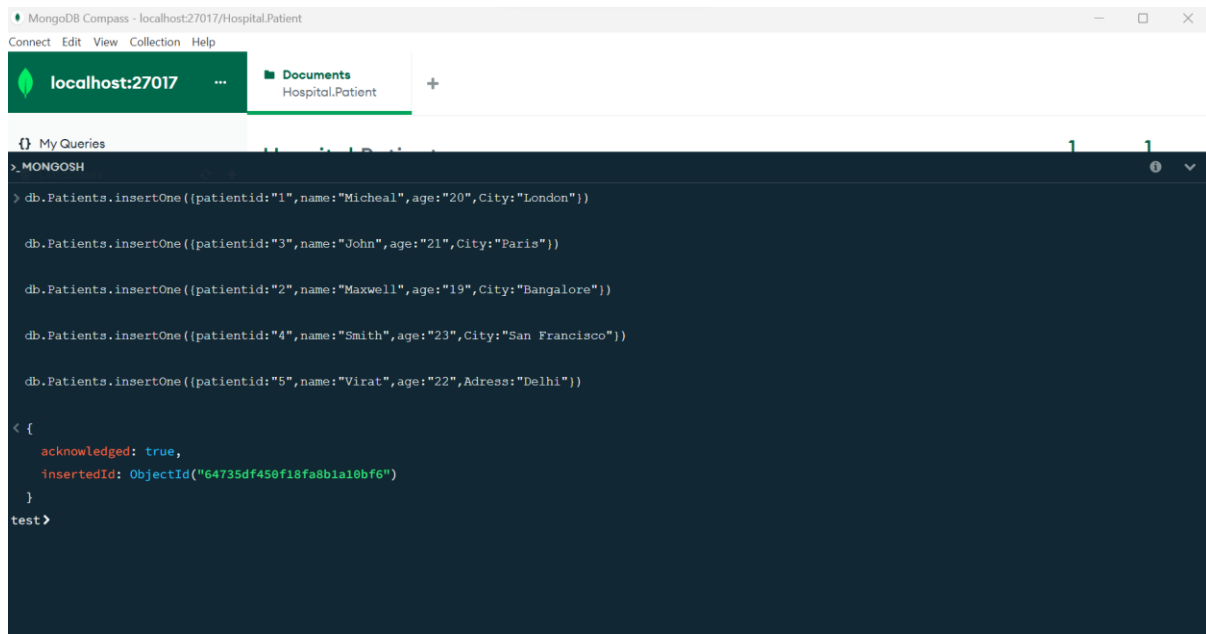
db.Patients.insertOne({patientid:"3",name:"John",age:"21",City:"Paris"})

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"})
```

Output :



The screenshot shows the MongoDB Compass interface for a local database at localhost:27017. The 'Documents' tab for the 'Hospital.Patient' collection is active. Below the interface, a MONGOSSH terminal window is open, displaying the following commands and their output:

```
> MONGOSSH
> 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"})

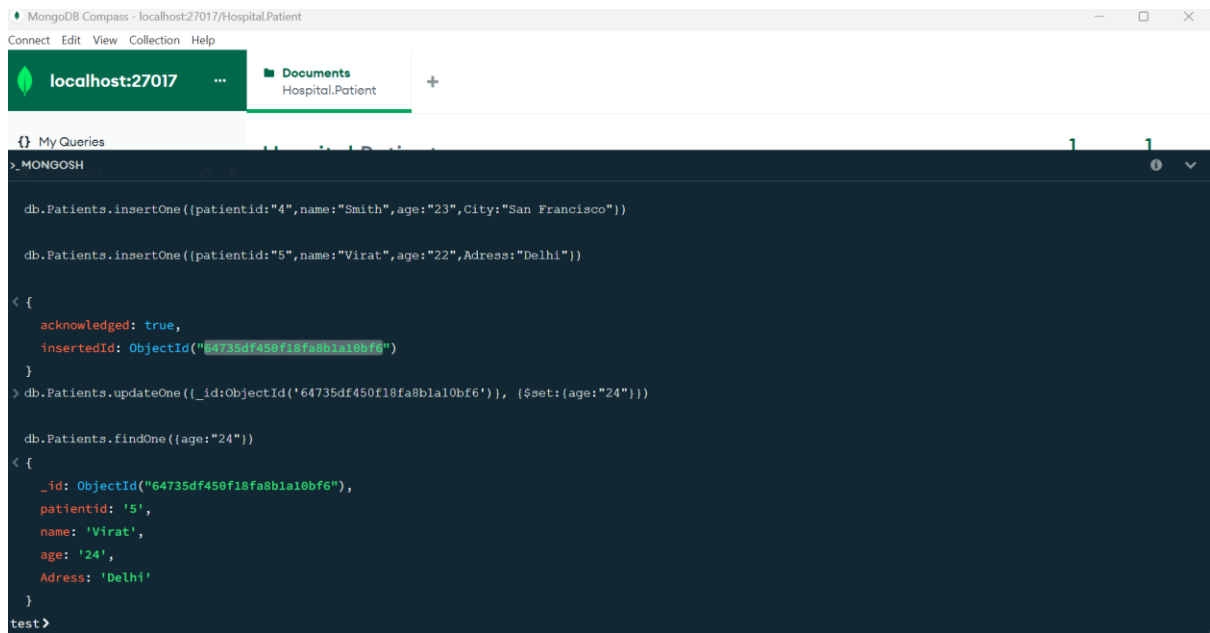
< {
  acknowledged: true,
  insertedId: ObjectId("64735df450f18fa8b1a10bf6")
}
test>
```

Update:

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

```
db.Patients.findOne({age:"24"})
```

Output :



MongoDB Compass - localhost:27017/Hospital.Patient

Connect Edit View Collection Help

localhost:27017 Documents Hospital.Patient

My Queries

```
> MONGOSH

db.Patients.insertOne({patientid:"4",name:"Smith",age:"23",City:"San Francisco"})

db.Patients.insertOne({patientid:"5",name:"Virat",age:"22",Adress:"Delhi"})

< {
  acknowledged: true,
  insertedId: ObjectId("64735df450f18fa8b1a10bf6")
}
> db.Patients.updateOne({_id:ObjectId('64735df450f18fa8b1a10bf6')}, {$set:{age:"24"}})

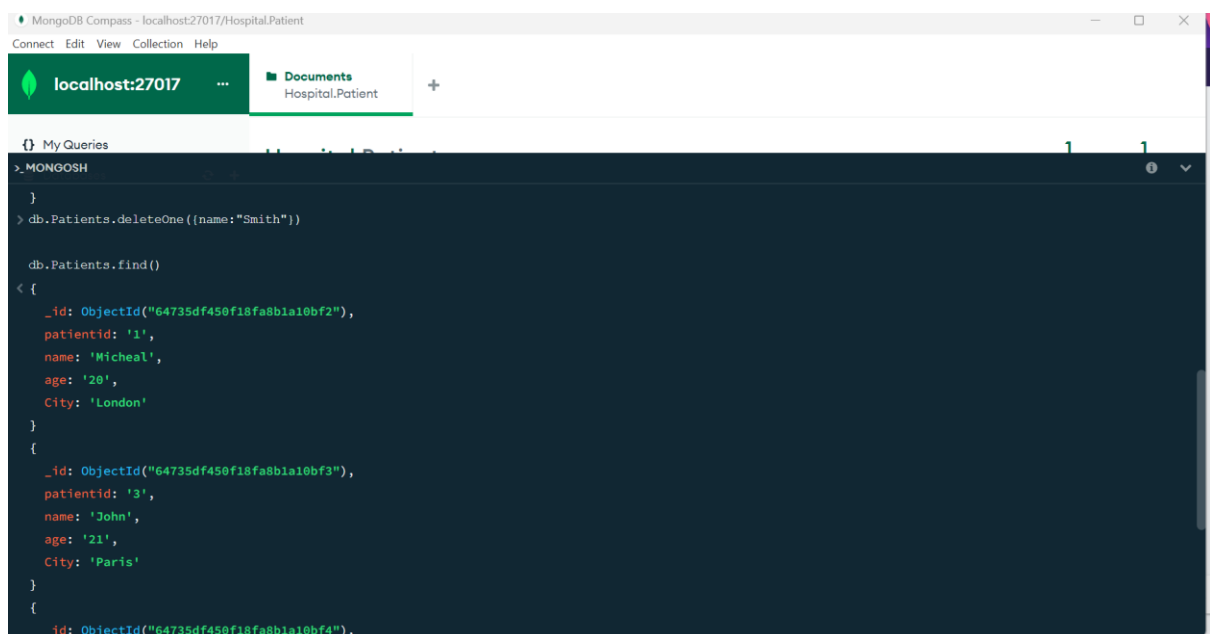
db.Patients.findOne({age:"24"})
< {
  _id: ObjectId("64735df450f18fa8b1a10bf6"),
  patientid: '5',
  name: 'Virat',
  age: '24',
  Adress: 'Delhi'
}
test>
```

Delete :

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

```
db.Patients.find()
```

Output :



MongoDB Compass - localhost:27017/Hospital.Patient

Connect Edit View Collection Help

localhost:27017 Documents Hospital.Patient

My Queries

```
> MONGOSH

}

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

db.Patients.find()
< {
  _id: ObjectId("64735df450f18fa8b1a10bf2"),
  patientid: '1',
  name: 'Micheal',
  age: '20',
  City: 'London'
}
{
  _id: ObjectId("64735df450f18fa8b1a10bf3"),
  patientid: '3',
  name: 'John',
  age: '21',
  City: 'Paris'
}
{
  _id: ObjectId("64735df450f18fa8b1a10bf4"),
```