Week Assignment-2

Harishkumar S
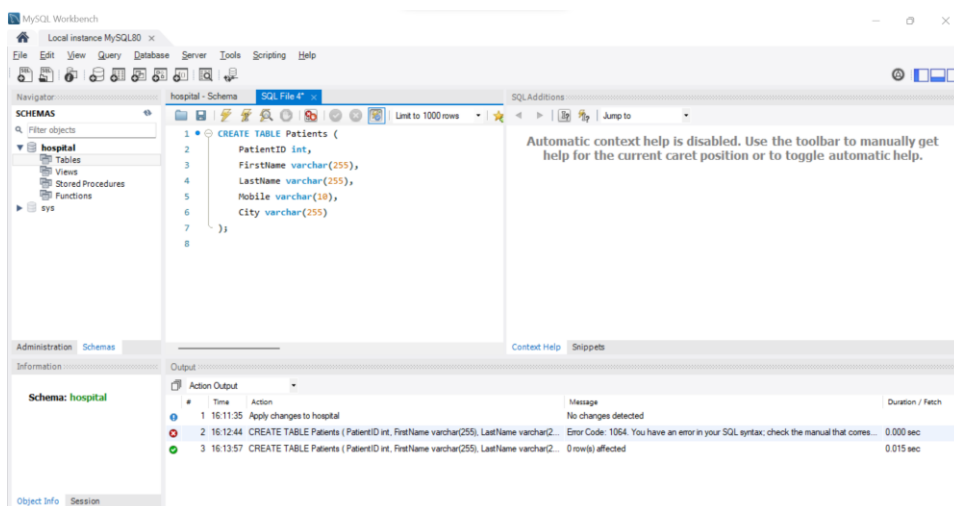
File Link: https://drive.google.com/drive/folders/1S3-vAi_zJrdyWoAWdMWmFybsMUVLapfG?usp=sharing

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, 'Elizebeth', 'Victoria', '8954326754', 'San Francisco');
```
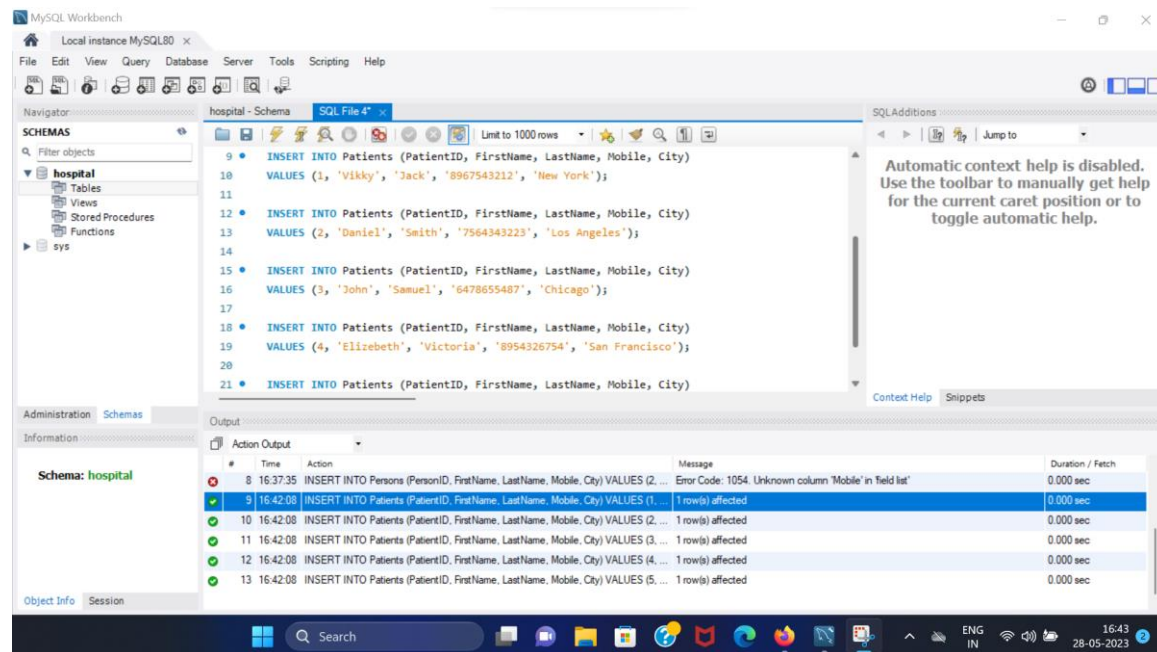
INSERT INTO Patients (PatientID, FirstName, LastName, Mobile, City)
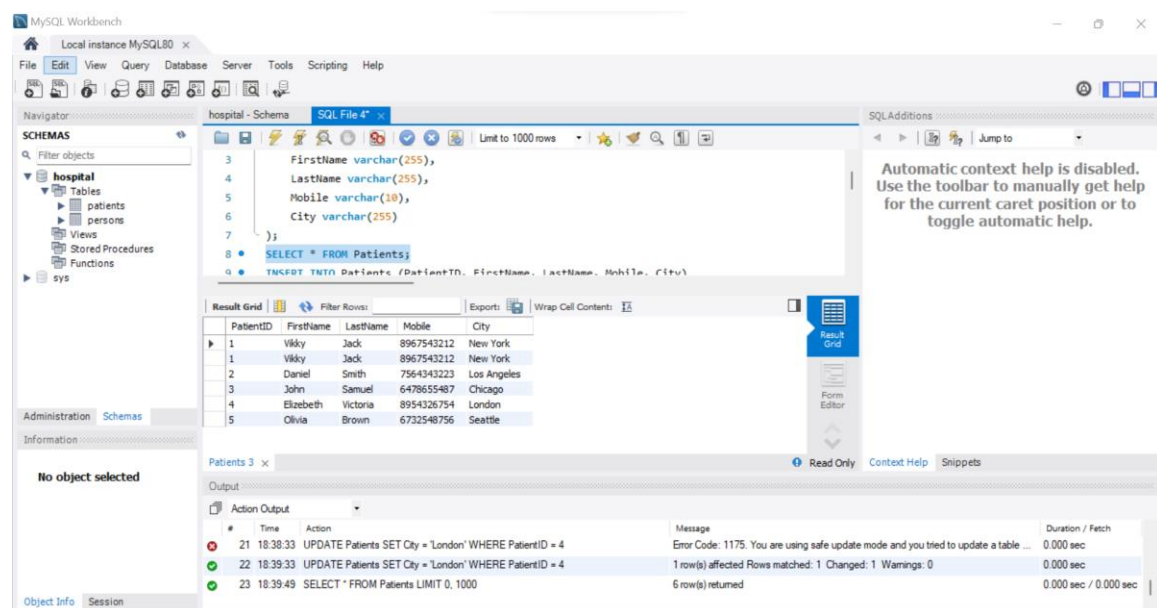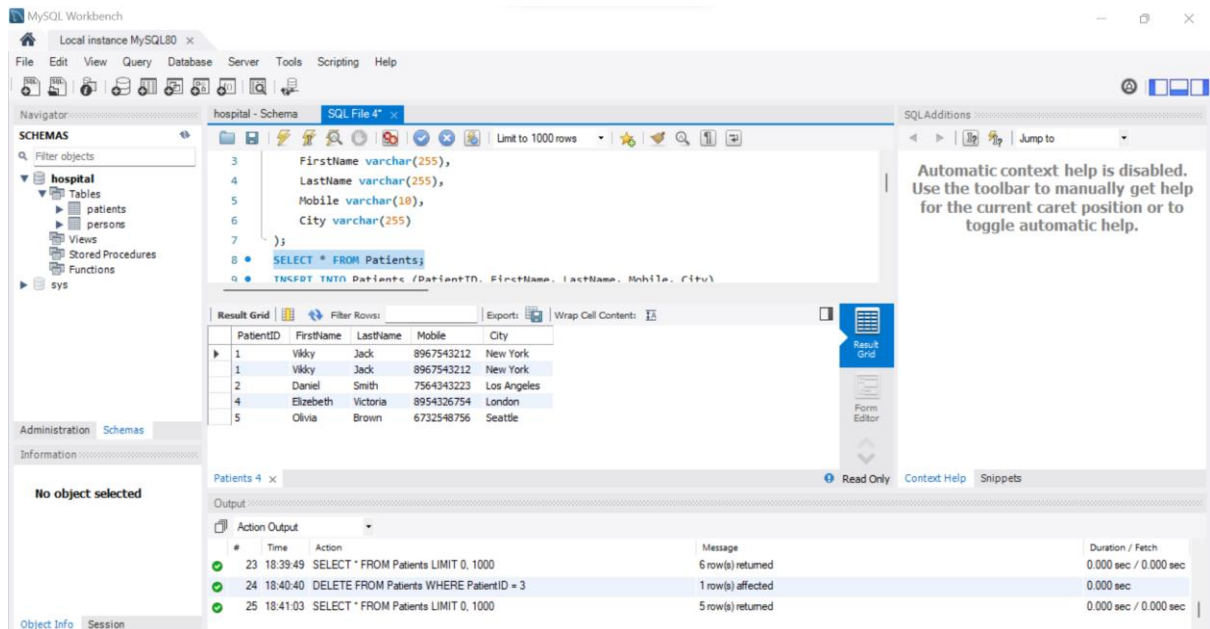VALUES (5, 'Olivia', 'Brown', '6732548756', 'Seattle');

output

Update:
Code:
UPDATE Patients
SET City = 'London'
WHERE PatientID = 4;

Delete:
DELETE FROM Patients WHERE PatientID = 3
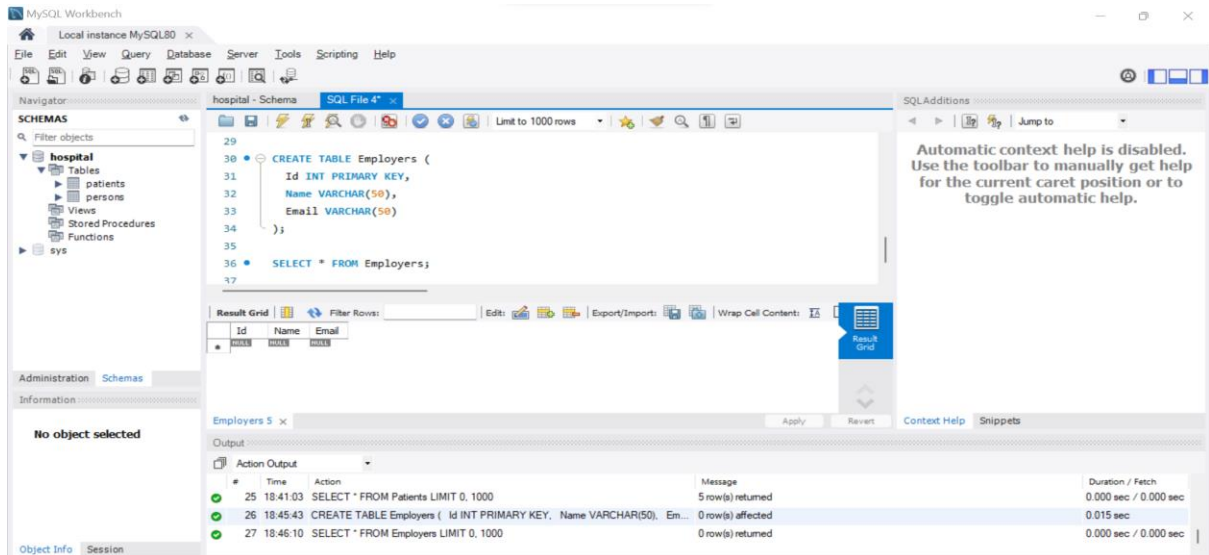
Output:

2) Create table and joins in MySQL
Code:
Create table:
CREATE TABLE Employers (
Id INT PRIMARY KEY,
Name VARCHAR(50),
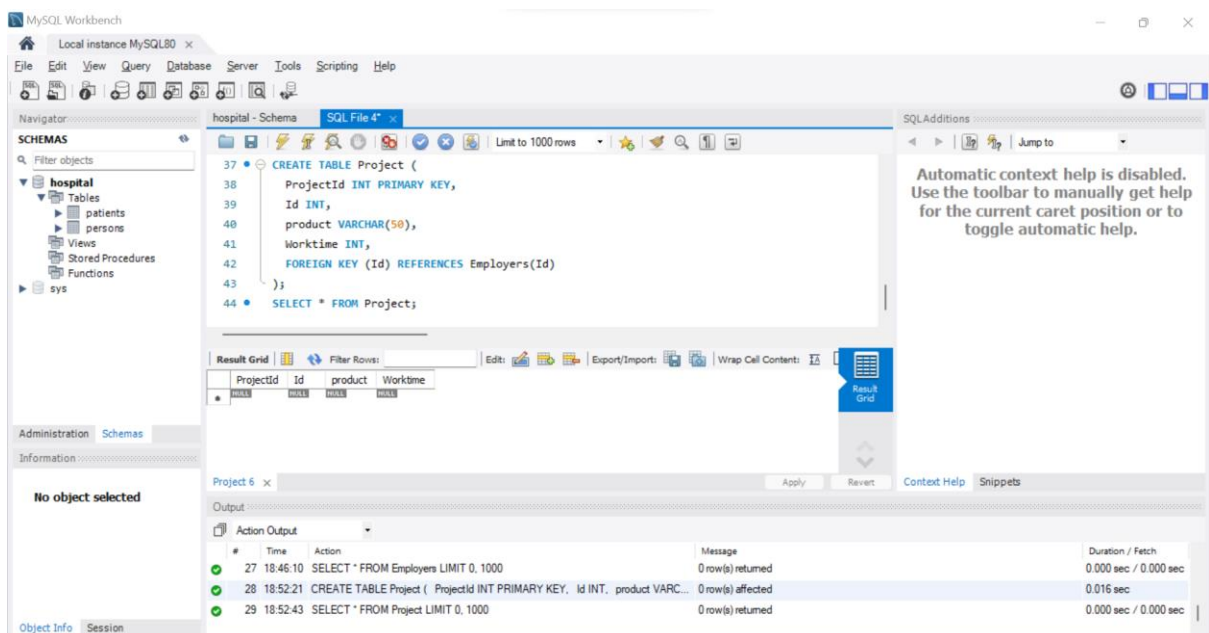Email VARCHAR(50)
);
SELECT * FROM Employers;

Output:

Create Table Project :

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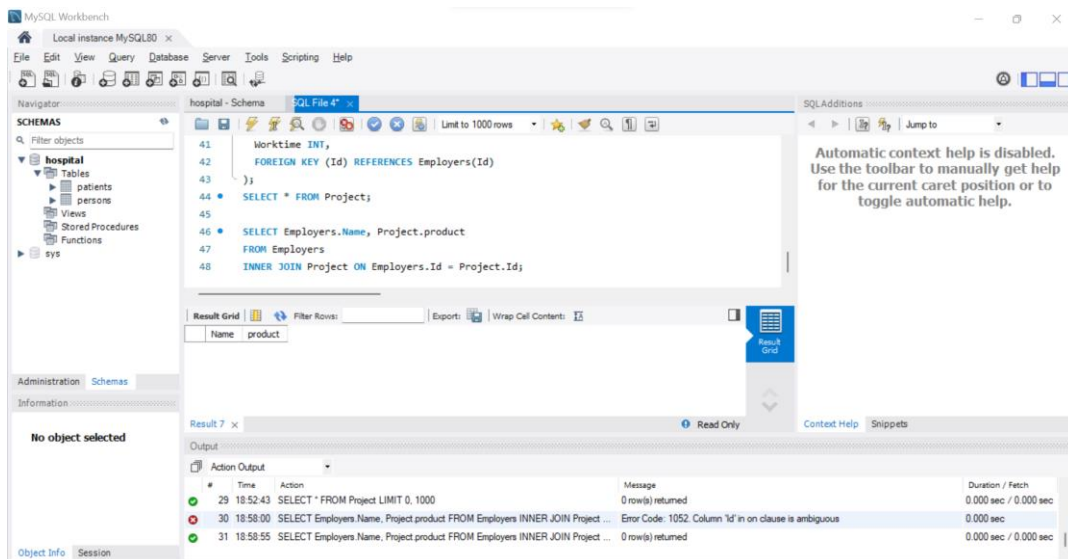
Output :

Inner Join :
Code:

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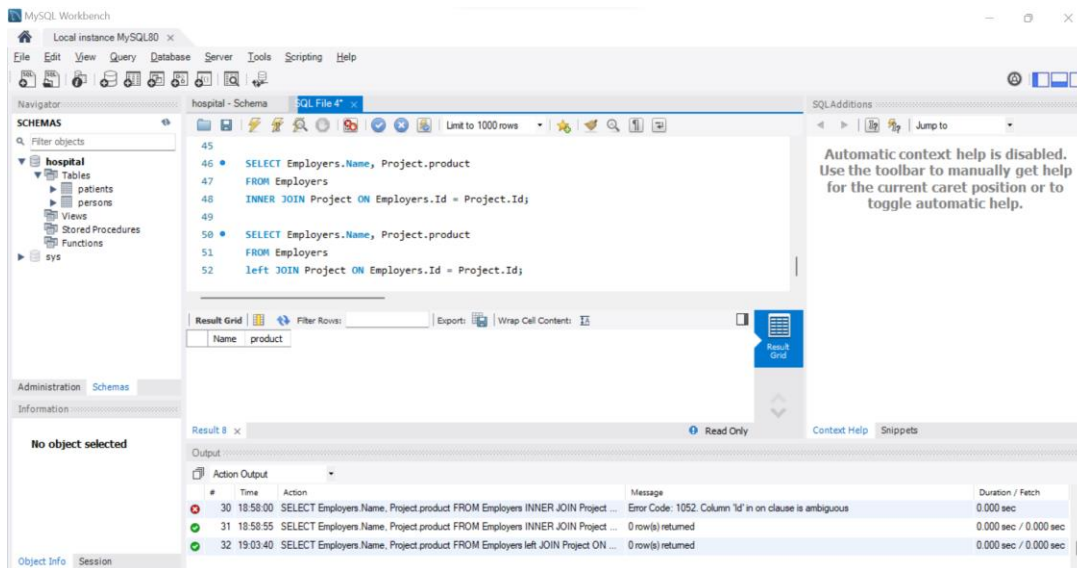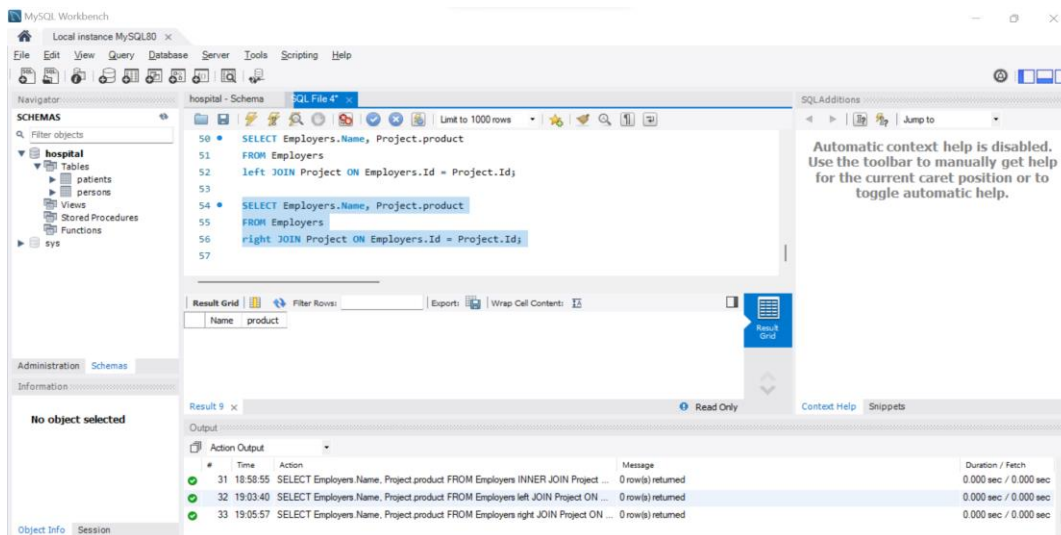
Output:

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

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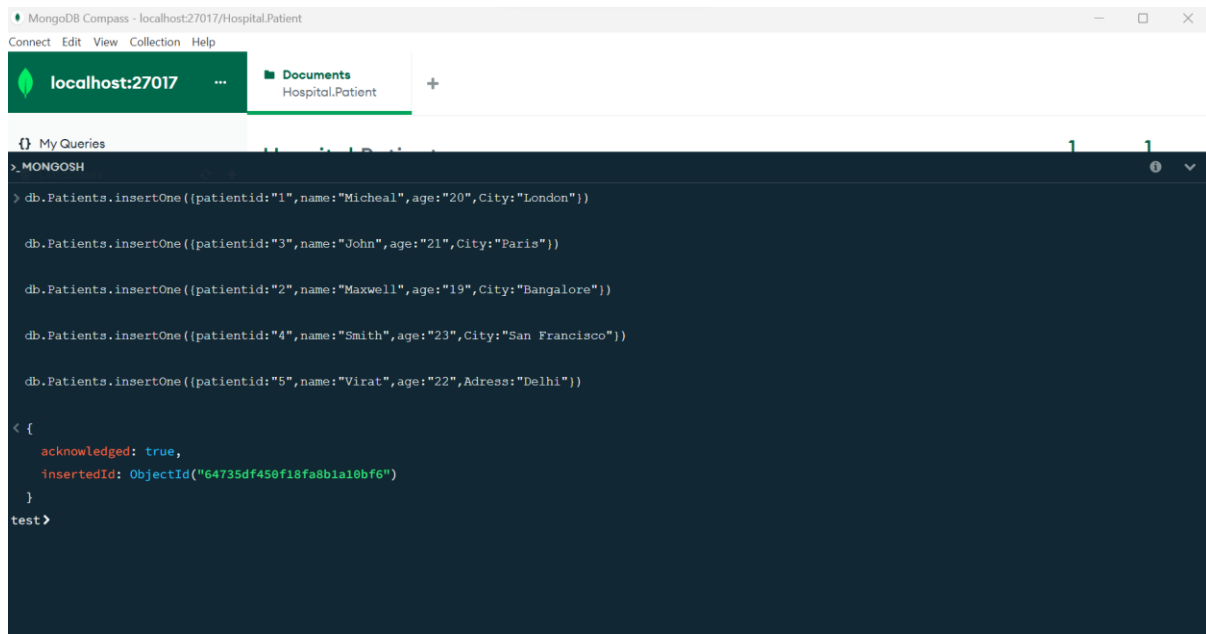
db.Patients.insertOne({patientid:"4",name:"Smith",age:"23",City:"San Francisco"})

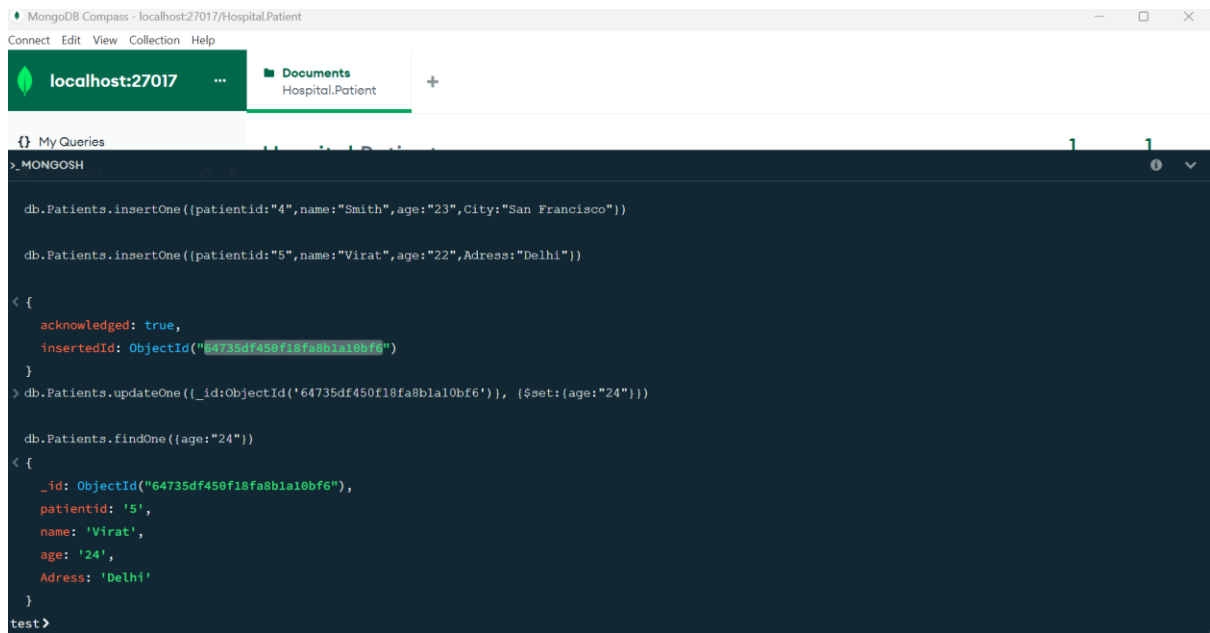db.Patients.insertOne({patientid:"5",name:"Virat",age:"22",Adress:"Delhi"})

Output :

Update:

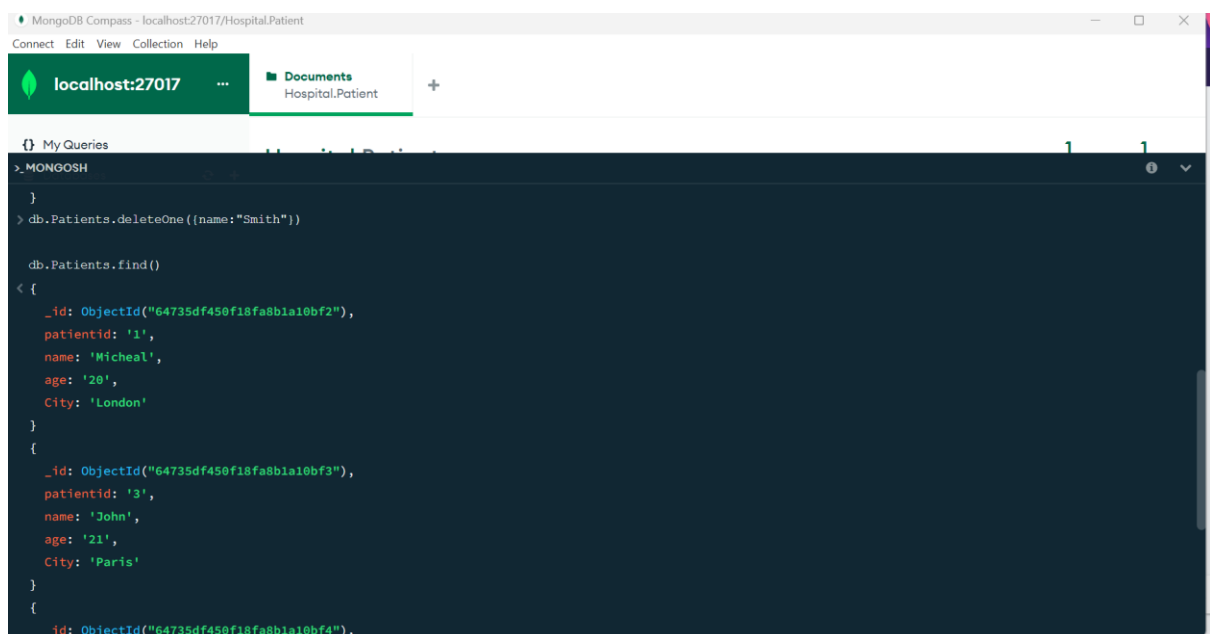db.Patients.updateOne({_id:ObjectId('64735df450f18fa8b1a10bf6')}, {$set:{age:"24"}})

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

Output :

Delete :

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

db.Patients.find()

Output :