

MODERN APPLICATION DEVELOPMENT

JAVA SPRING BOOT

WEEK-2

20MIS0397

KARTHICK SRINIVAS G

1) CREATE, UPDATE, INSERT IN MYSQL:

CREATE:

CREATE TABLE Persons (

 PersonID int,

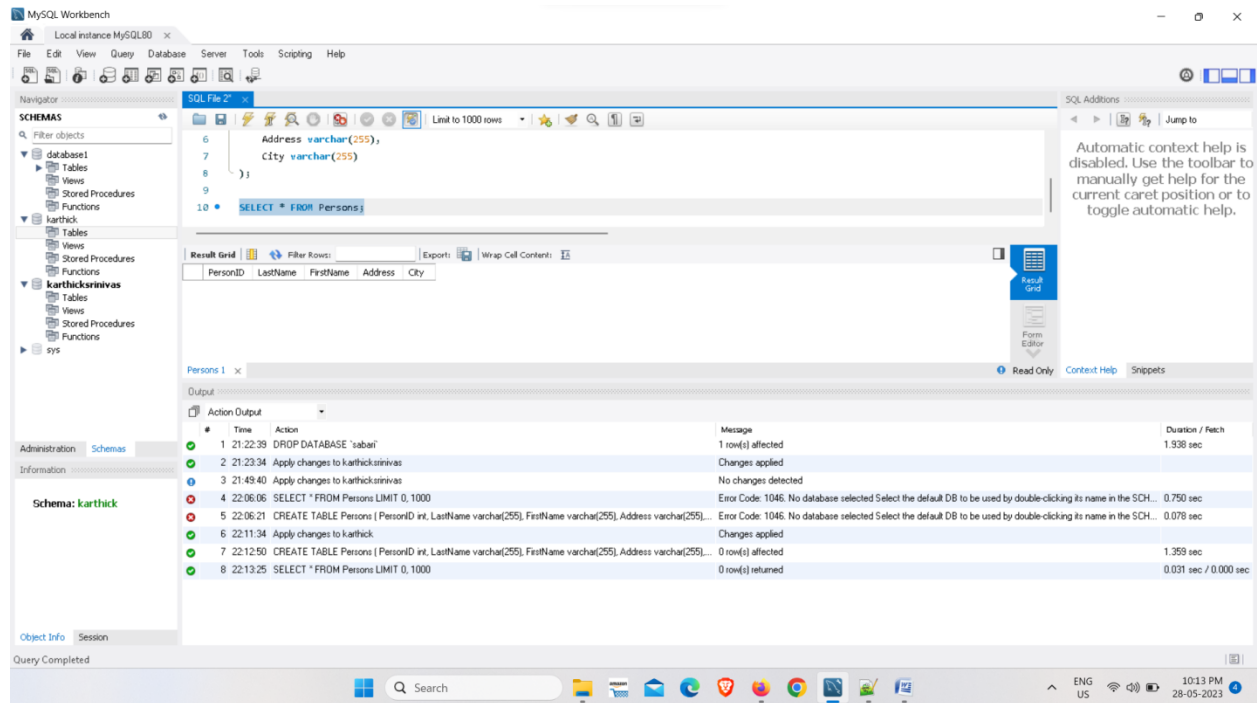
 LastName varchar(255),

 FirstName varchar(255),

 Address varchar(255),

 City varchar(255)

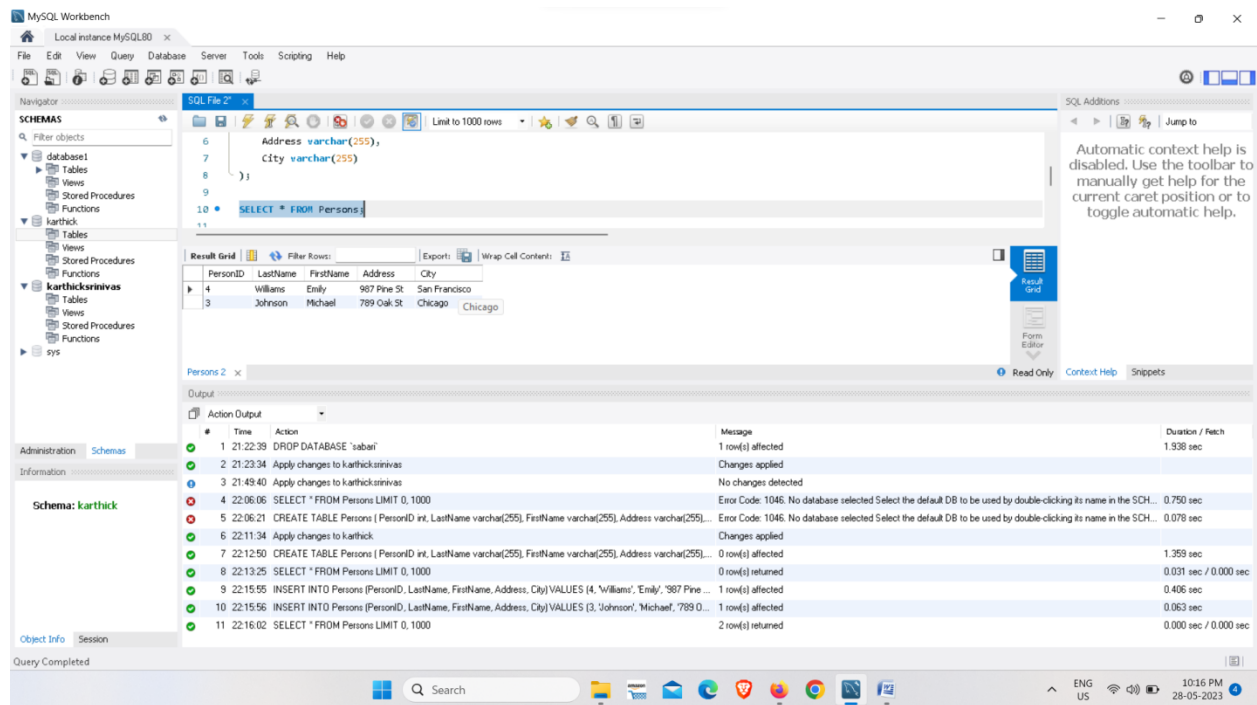
);



INSERT:

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 (3, 'Johnson', 'Michael', '789 Oak St', 'Chicago');



UPDATE:

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

MySQL Workbench

Local instance MySQL80

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Functions

karthick

Tables

Views

Stored Procedures

Functions

karthicksrinivas

Tables

Views

Stored Procedures

Functions

sys

Schema: karthick

Object Info Session

Query Completed

SQL File 2

Limit to 1000 rows

10 SELECT * FROM Persons

11

12 UPDATE Persons

13 SET Address = '343 Will st'

14 WHERE PersonID = 4

Result Grid

PersonID	LastName	FirstName	Address	City
4	Williams	Emily	343 Will st	San Francisco
3	Johnson	Michael	789 Oak St	Chicago

Persons 3

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	21:49:40	Apply changes to karthicksrinivas	No changes detected	
4	22:06:06	SELECT * FROM Persons LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SC...	0.750 sec
5	22:06:21	CREATE TABLE Persons (PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255))	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SC...	0.078 sec
6	22:11:34	Apply changes to karthick	Changes applied	
7	22:12:50	CREATE TABLE Persons (PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255))	0 row(s) affected	1.359 sec
8	22:13:25	SELECT * FROM Persons LIMIT 0, 1000	0 row(s) returned	0.031 sec / 0.000 sec
9	22:15:55	INSERT INTO Persons (PersonID, LastName, FirstName, Address, City) VALUES (4, 'Williams', 'Emily', '367 Pin...	1 row(s) affected	0.406 sec
10	22:15:56	INSERT INTO Persons (PersonID, LastName, FirstName, Address, City) VALUES (3, 'Johnson', 'Michael', '789 ...	1 row(s) affected	0.063 sec
11	22:16:02	SELECT * FROM Persons LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
12	22:16:59	UPDATE Persons SET Address = '343 Will st' WHERE PersonID = 4	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.188 sec
13	22:17:05	SELECT * FROM Persons LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Read Only Context Help Snippets

Search

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DELETE:

DELETE FROM Persons WHERE PersonID = 3;

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karthick

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karthicksrinivas

Tables

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Stored Procedures

Functions

sys

Schema: karthick

Object Info Session

Query Completed

SQL File 2

Limit to 1000 rows

6 Address varchar(255),

7 City varchar(255)

8);

9

10 SELECT * FROM Persons

11

Result Grid

PersonID	LastName	FirstName	Address	City
4	Williams	Emily	343 Will st	San Francisco

Persons 4

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	22:06:21	CREATE TABLE Persons (PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255))	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SC...	0.078 sec
6	22:11:34	Apply changes to karthick	Changes applied	
7	22:12:50	CREATE TABLE Persons (PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255))	0 row(s) affected	1.359 sec
8	22:13:25	SELECT * FROM Persons LIMIT 0, 1000	0 row(s) returned	0.031 sec / 0.000 sec
9	22:15:55	INSERT INTO Persons (PersonID, LastName, FirstName, Address, City) VALUES (4, 'Williams', 'Emily', '367 Pin...	1 row(s) affected	0.406 sec
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12	22:16:59	UPDATE Persons SET Address = '343 Will st' WHERE PersonID = 4	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.188 sec
13	22:17:05	SELECT * FROM Persons LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
14	22:18:27	DELETE FROM Persons WHERE PersonID = 3	1 row(s) affected	0.156 sec
15	22:18:34	SELECT * FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

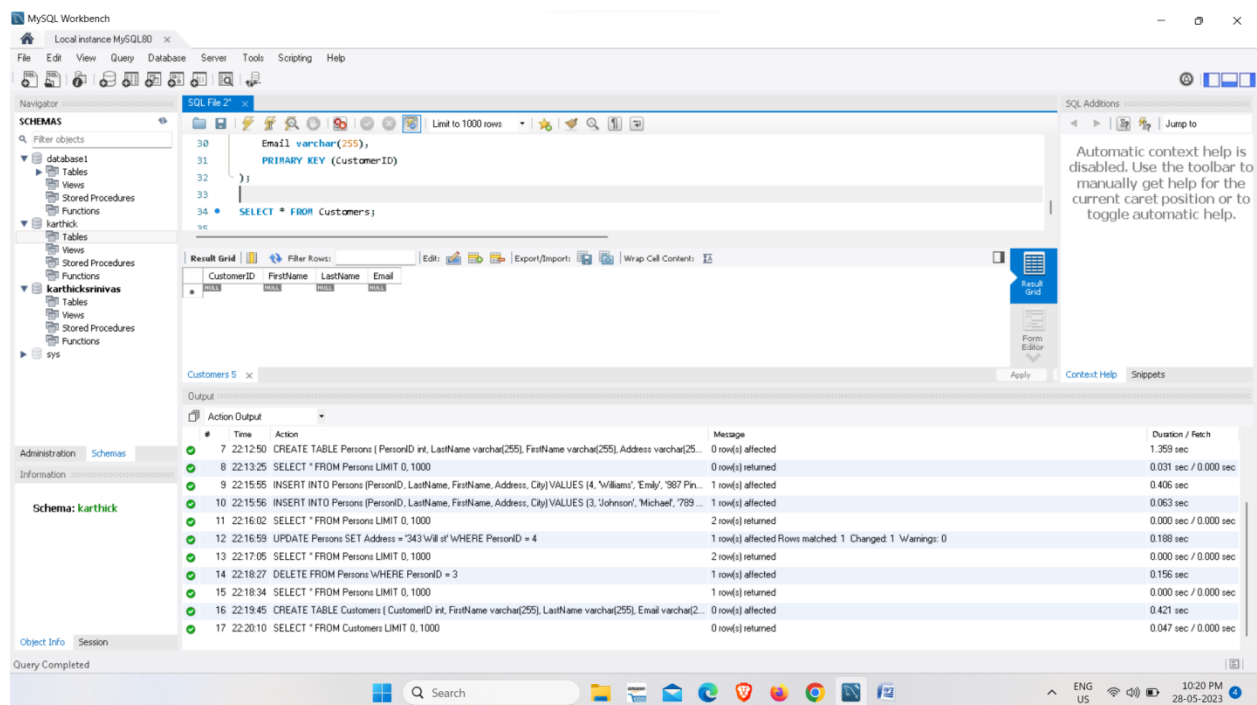
Read Only Context Help Snippets

Search

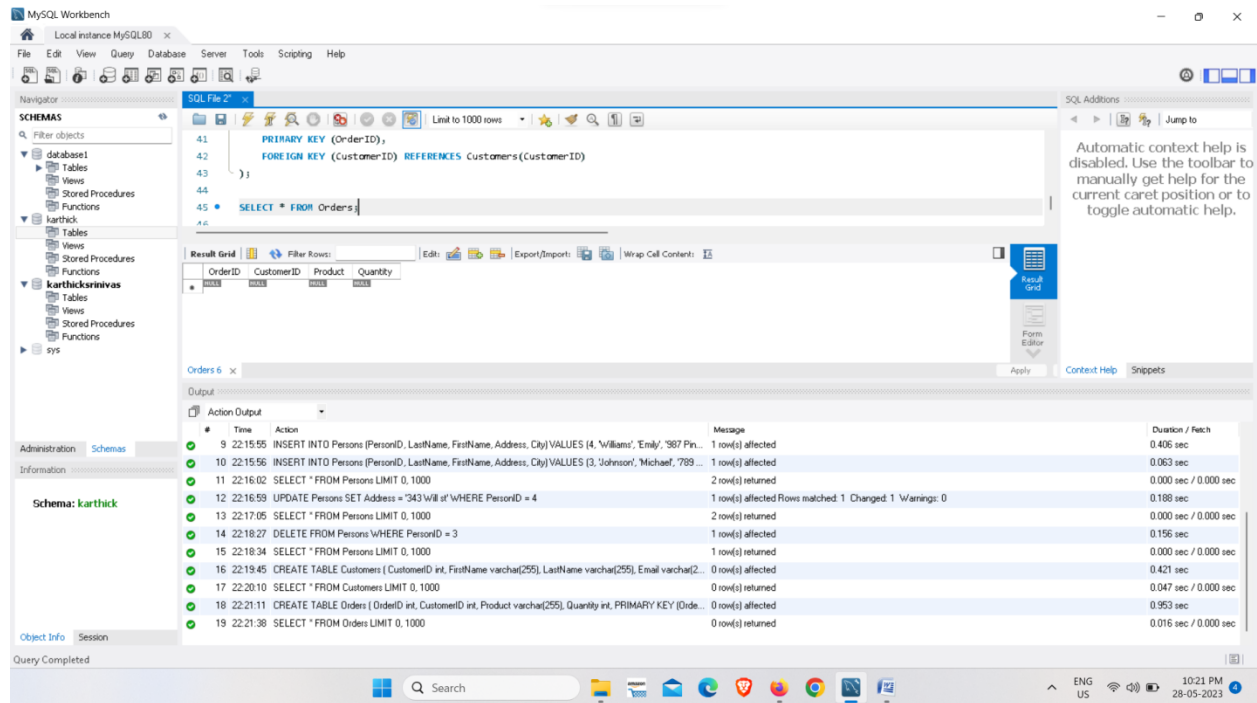
10:18 PM 28-05-2023

2) CREATE TABLE AND PERFORM JOIN:

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

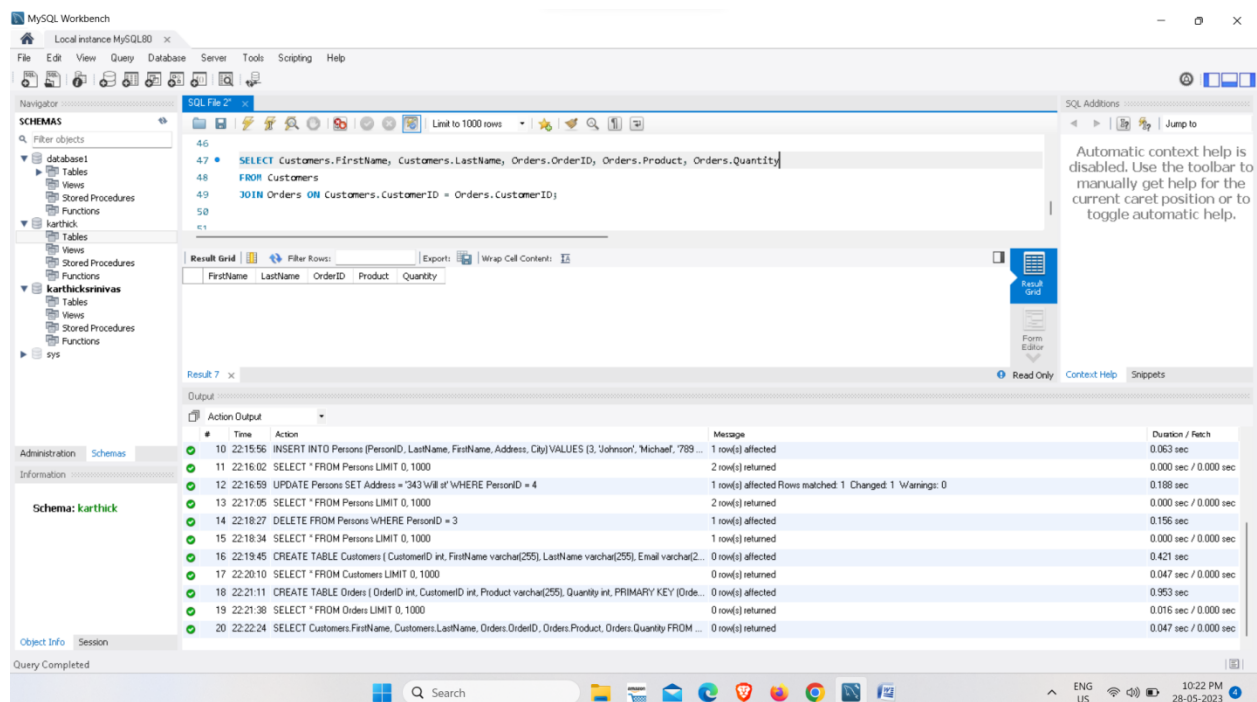


```
CREATE TABLE Orders (  
    OrderID int,  
    CustomerID int,  
    Product varchar(255),  
    Quantity int,  
    PRIMARY KEY (OrderID),  
    FOREIGN KEY (CustomerID) REFERENCES  
Customers(CustomerID)  
);
```



JOIN:

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



3) CREATE ,UPDATE, INSERT IN MONGO:

CREATE:

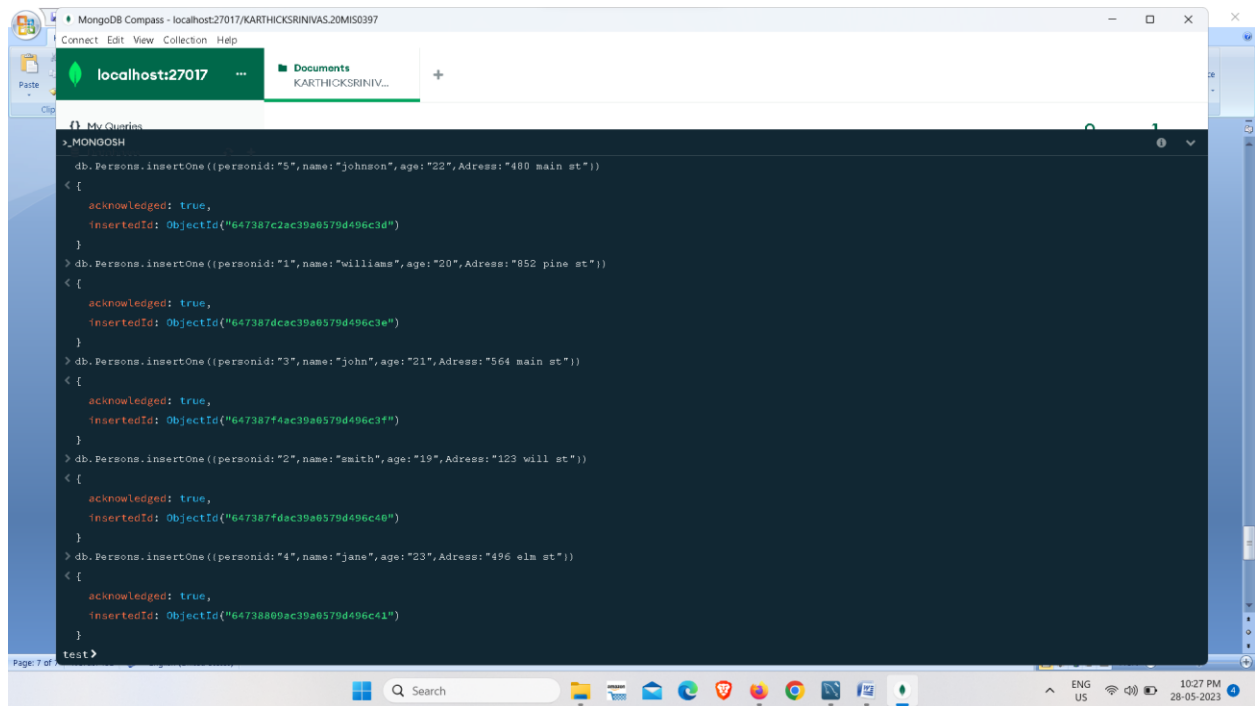
```
db.Persons.insertOne({personid:"1",name:"williams",age:"20",Adress:"852 pine st"})
```

```
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"})
```

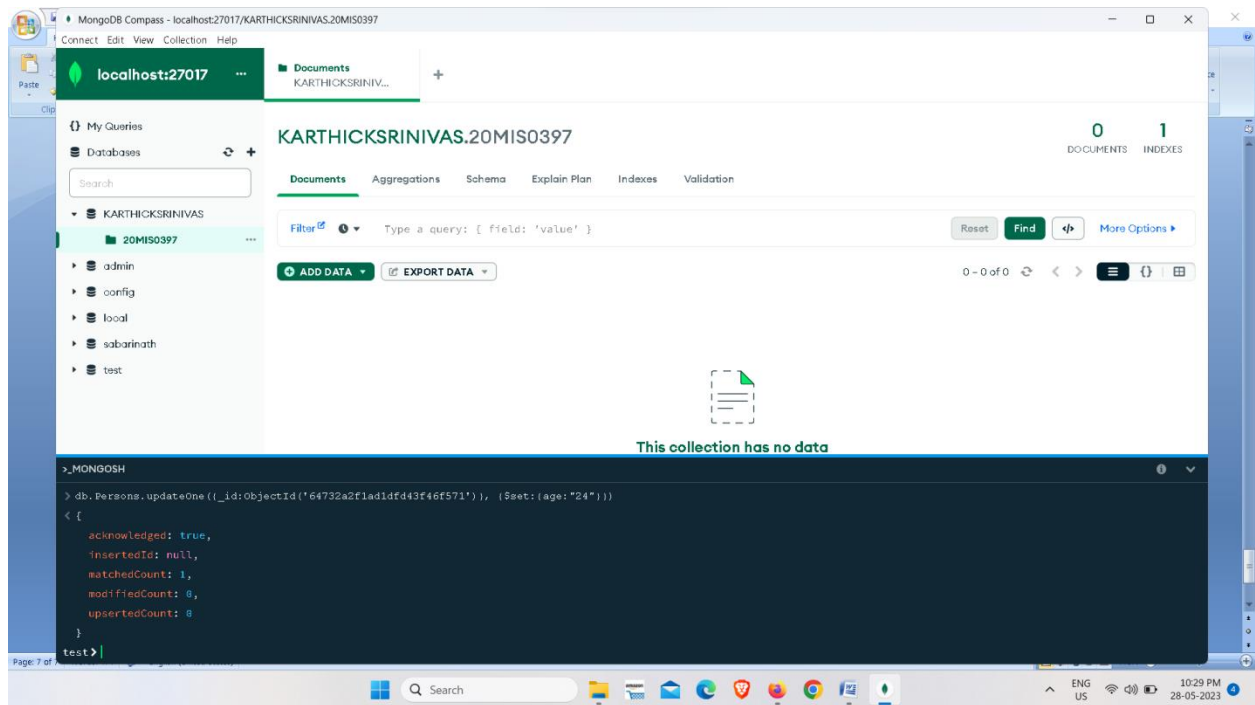
```
db.Persons.insertOne({personid:"4",name:"jane",age:"23",Adress:"496 elm st"})
```

```
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"})
```

