Experiment No:09

SUBQUERY

QUESTION:

=>Create table of **salesorder** with following fields: Order Number(Unique key begins with 0),Clientnumber(FK),Order Date.

=>Create table **clientmaster** with following fields: clientno(PK), cname,city.

=>Create table **salesmaster** with following fields: salesmanno(PK),sname,city.
Add 5 rows of data in 3 tables

QUERY:

create table clientmaster (cno varchar(10) primary key not null, cname varchar(20), city varchar(20));

create table salesmaster (salesmanno varchar(10) primary key,sname VARCHAR(20),city VARCHAR(20));

create table salesorder (orderno varchar(20) primary key not null check (order_no like "0%"),cno int REFERENCES clientmaster(client_no), orderdate date);

insert into clientmaster values(101,'senchu','kannur'), (102,'sobin','kannur'),(103,'sajan','mumbai'),(104,'siju','gujarath'), (105,'george','kottayam');

insert into salesmaster VALUES(1,'biju','mumbai'),(2,'amith','mumbai'), (3,'sreelal','kannur'),(4,'anoop','thrissur'),(5,'goutham','pala');

insert into salesorder values ('0',101,'2013-06-01'),('01',103,'2013-02-01'),('02',103,'2013-03-21'),('03',102,'2013-03-02'),('04',105,'2013-04-02');

select * from clientmaster;

				cno ▼	cname	city
☐	🖉 Edit	Copy	⊖ Delete	101	senchu	kannur
☐	🖉 Edit	Copy	⊖ Delete	102	sobin	kannur
☐	🖉 Edit	Copy	⊖ Delete	103	sajan	mumbai
☐	🖉 Edit	Copy	⊖ Delete	104	siju	gujarat
☐	🖉 Edit	Copy	⊖ Delete	105	george	kottayam

select * from salesmaster;

				salesmanno	sname	city
☐	🖉 Edit	Copy	⊖ Delete	1	biju	mumbai
☐	🖉 Edit	Copy	⊖ Delete	2	amith	mumbai
☐	🖉 Edit	Copy	⊖ Delete	3	sreelal	kannur
☐	🖉 Edit	Copy	⊖ Delete	4	anoop	thrissur
☐	🖉 Edit	Copy	⊖ Delete	5	goutham	pala

select * from salesorder;

				orderno	cno	orderdate
☐	🖉 Edit	Copy	⊖ Delete	000	101	2013-05-01
☐	🖉 Edit	Copy	⊖ Delete	001	103	2013-02-01
☐	🖉 Edit	Copy	⊖ Delete	002	103	2013-03-21
☐	🖉 Edit	Copy	⊖ Delete	003	102	2013-03-02
☐	🖉 Edit	Copy	⊖ Delete	004	105	2013-04-02
☐	🖉 Edit	Copy	⊖ Delete	005	NULL	2013-04-05

1. Retrieve all orders placed by a client named sajan.

 select * from salesorder WHERE cno IN(select cno FROM clientmaster WHERE cname="sajan");

				orderno	cno	orderdate
☐	🖉 Edit	Copy	⊖ Delete	001	103	2013-02-01
☐	🖉 Edit	Copy	⊖ Delete	002	103	2013-03-21

2. Retrieve the names of all clients and salesman in the city of mumbai.

SELECT c.cname,s.sname FROM clientmaster c,salesmaster s WHERE c.city="mumbai" and s.city IN (SELECT city FROM salesmaster where city="mumbai");

cname	sname
sajan	biju
sajan	amith

3. Retrieve the order number, cname, order date from client master and sales order table.

 SELECT c.cname,s.order_date,s.order_no FROM clientmaster c,salesorder s WHERE c.cno IN (SELECT s.cno from salesorder);

cname	orderdate	orderno
senchu	2013-05-01	000
sajan	2013-02-01	001
sajan	2013-03-21	002
sobin	2013-03-02	003
george	2013-04-02	004

EXPERIMENT NO:10

VIEW TABLE

1. Create a view view1 from salesorder with (order number, order date)

   CREATE VIEW view1 as SELECT orderno, orderdate from salesorder;

2. Describe the view view1

   DESC view1

3. Display Values of view1

   SELECT * FROM view1
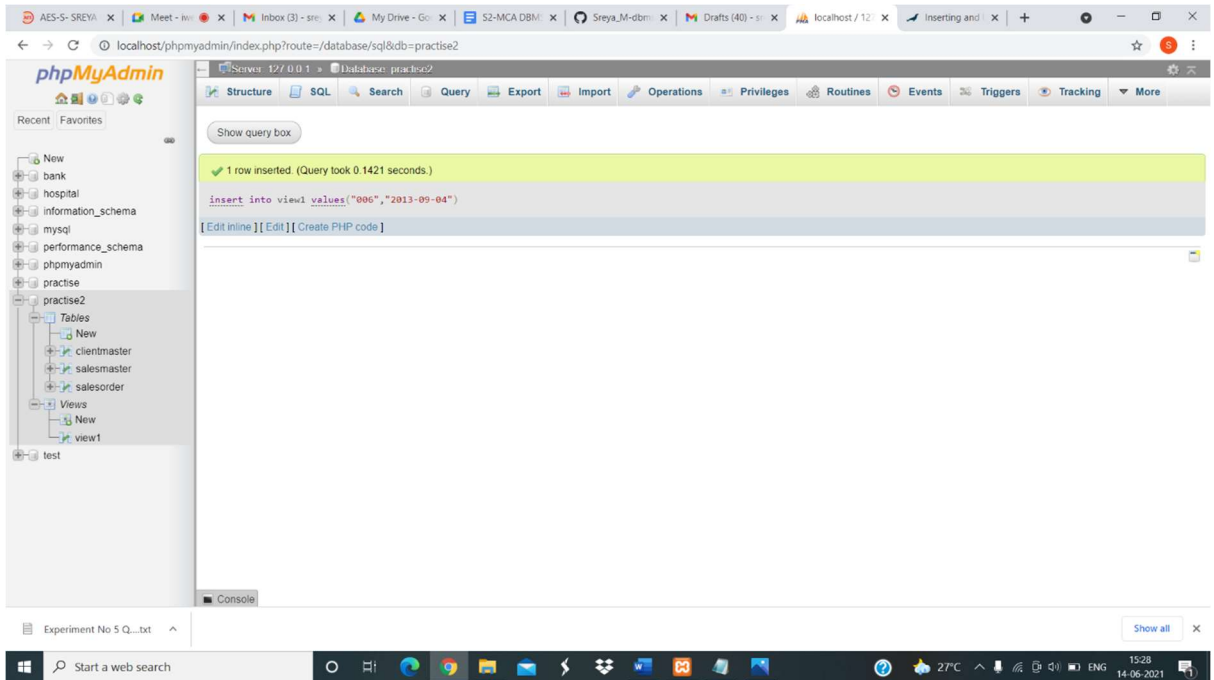
4. Insert one row of data in view1 and observe the output/error message

   insert into view1 values("005","2013-04-05")

5. Create a view view2 from clientmaster (clientno, cname)

CREATE view view2 as SELECT cno,cname from clientmaster;

6. Insert one row of data in view2 and observe the output/error message

    insert into view2 values("106","Anu")

7. Create a view view3 from salesmaster with all columns with condition 'city=mumbai'

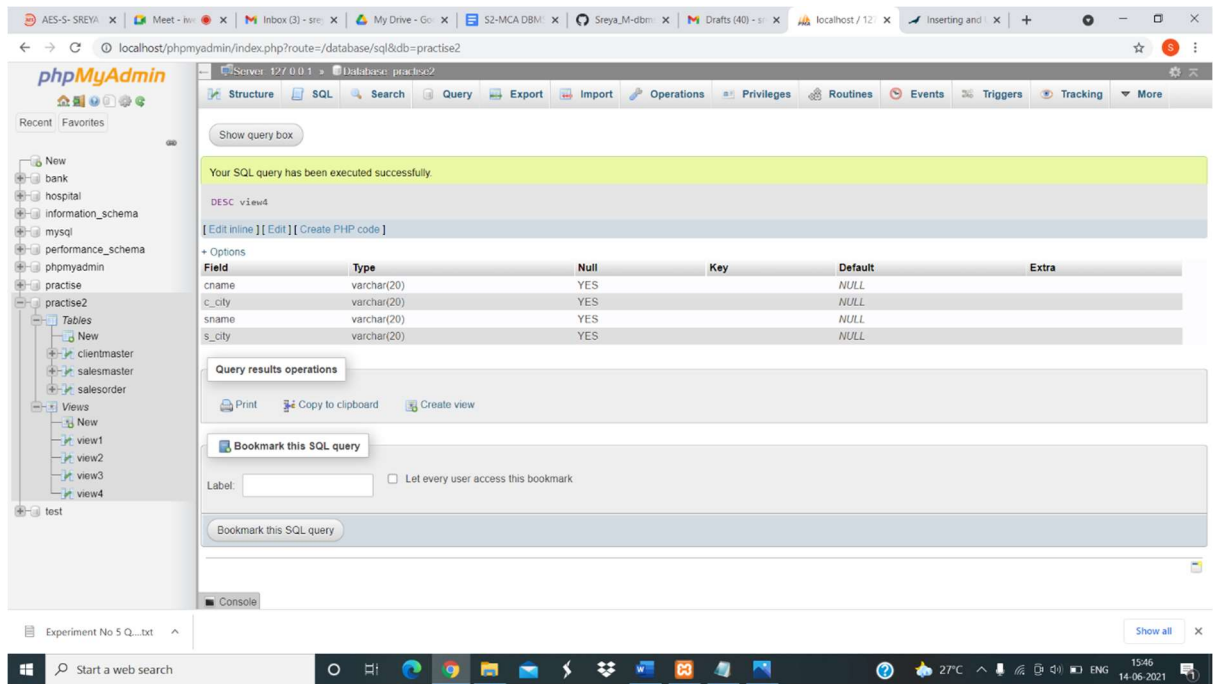create view view3 as select * from clientmaster where city="mumbai"

8. Create a view view4 from clientmaster and salesmaster with details (cname,city, sname,city)

   create view view4 as SELECT cname,clientmaster.city as c_city,sname, salesmaster.city as s_city from clientmaster,salesmaster;
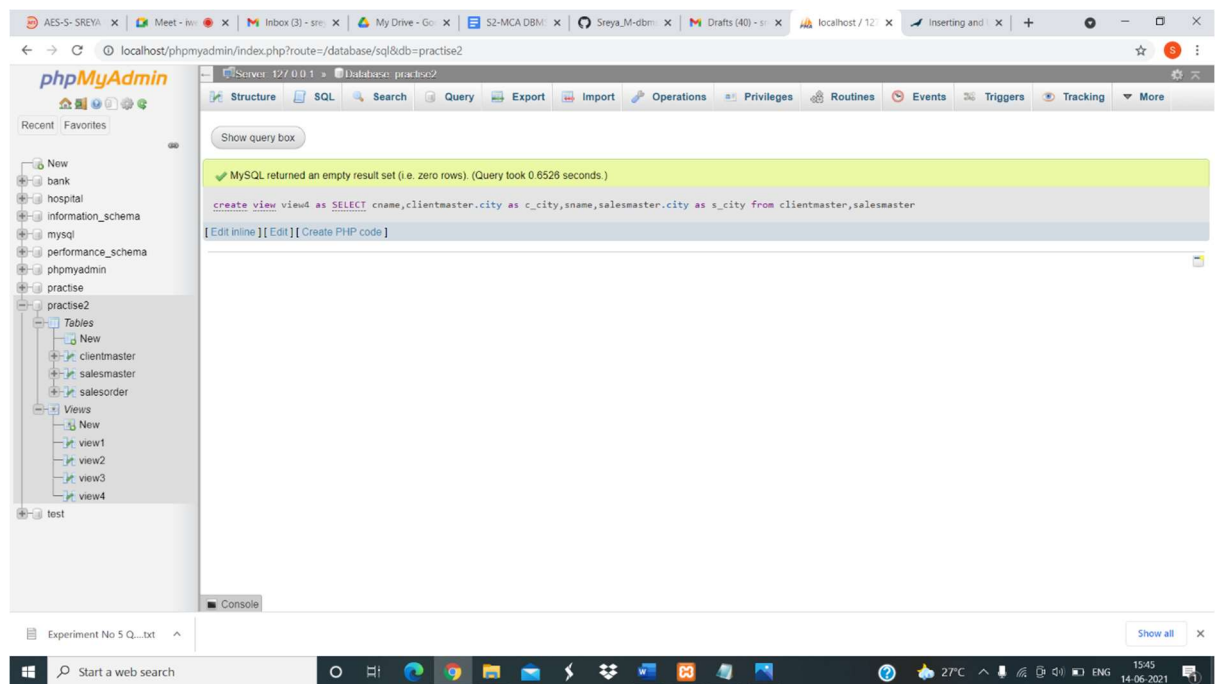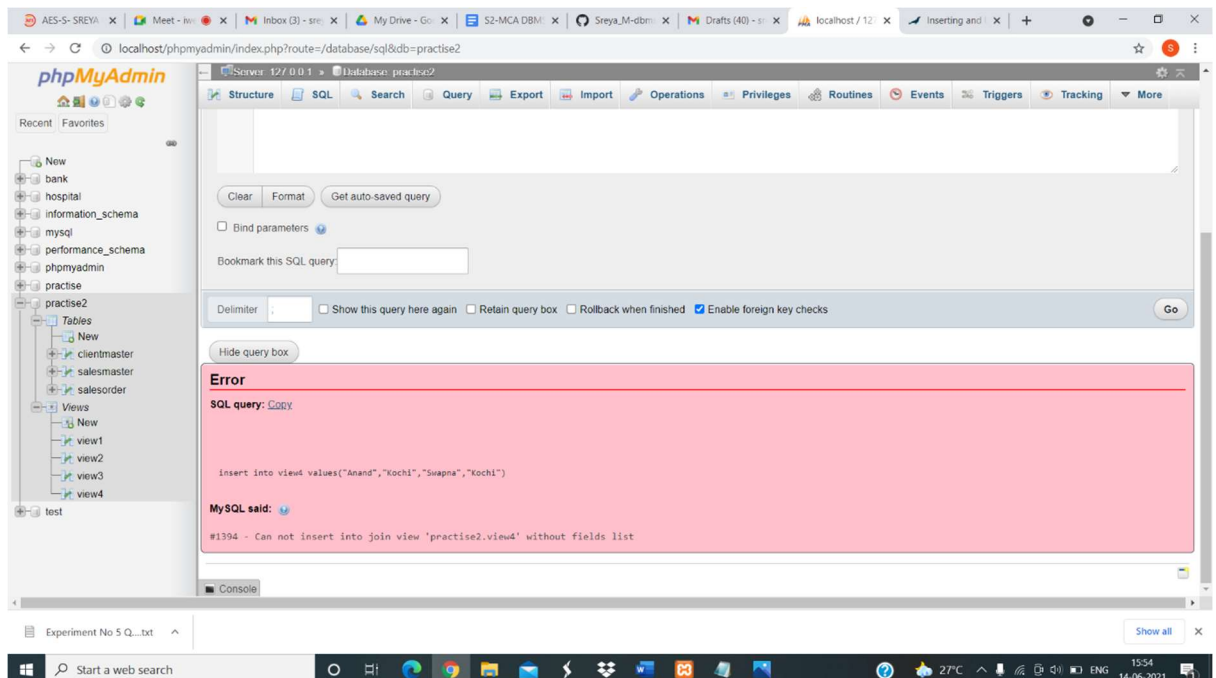

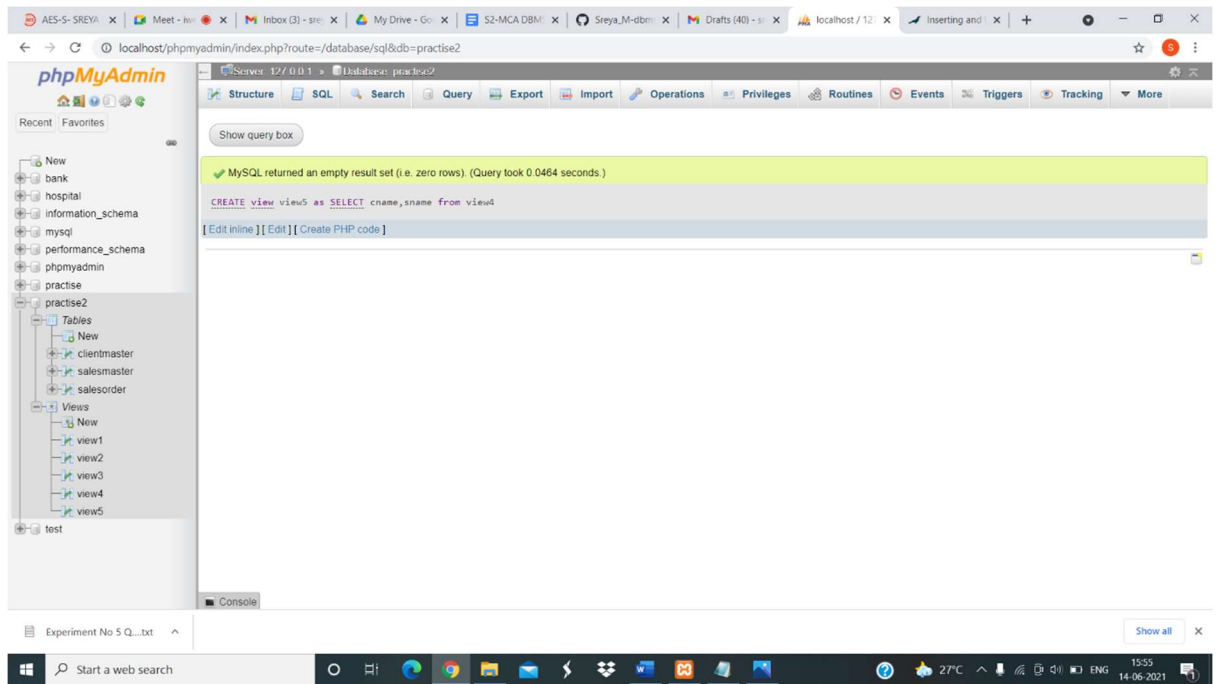9. Describe view4

   DESC view4

10. Insert one row of data in view4 and observe the output/error message

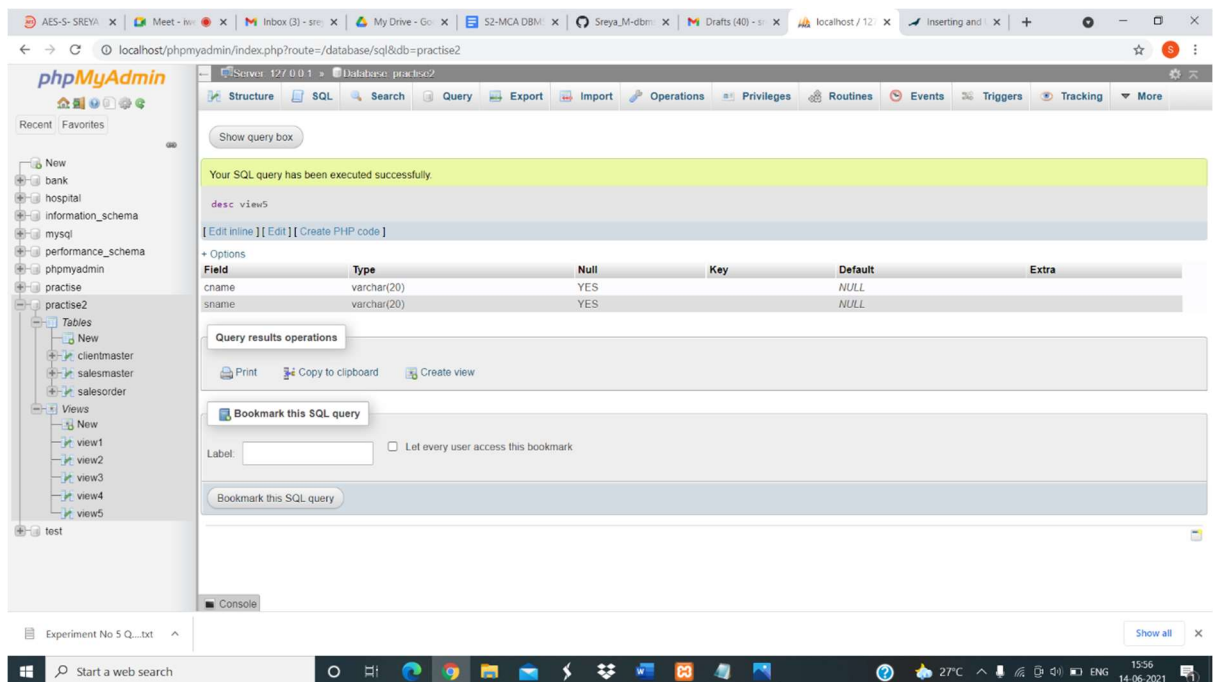insert into view4 values("Anand","Kochi","Swapna","Kochi")

11. Create a view view5 from view4(cname, sname)

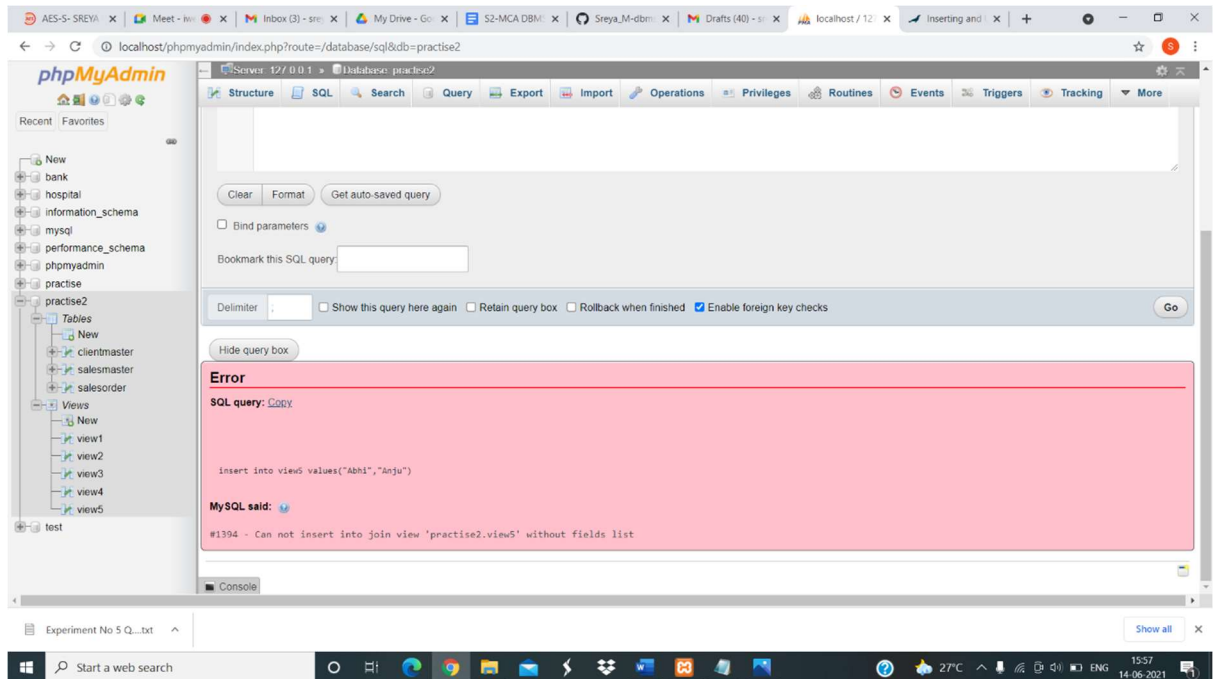CREATE view view5 as SELECT cname,sname from view4;
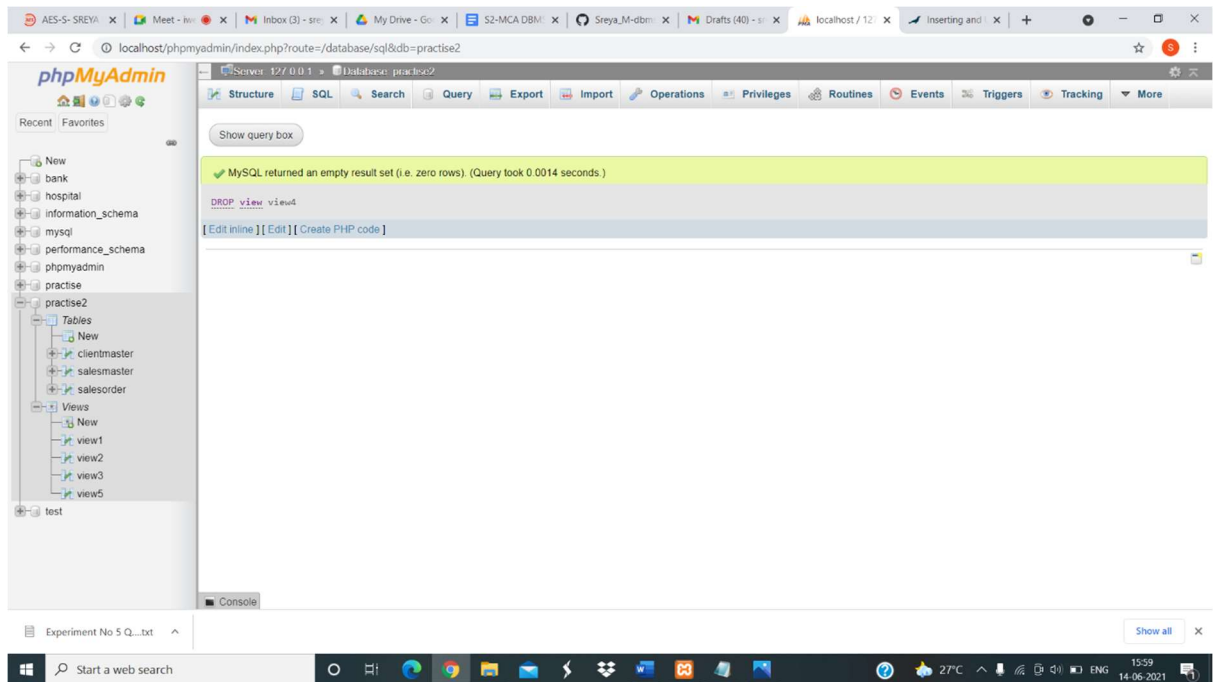
12.Describe view5

Desc view5

13. Insert one row of data in view5 and observe the output/error message

insert into view5 values("Abhi","Anju")

14. Delete the view4 table

DROP view view4

15. Delete the view5 table.

DROP view view5