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S2 RMCA-B

Roll NO:01

Exp 11:View

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

create VIEW view1 as SELECT order_no,order_date from salesorder;

The screenshot shows the phpMyAdmin interface for a database named 'dbms3'. The 'View view1' tab is selected, displaying the SQL query: `CREATE VIEW view1 (order_no,order_date) AS SELECT order_no,order_date FROM salesorder`. Below the query, a message states: 'MySQL returned an empty result set (i.e. zero rows). (Query took 0.0621 seconds)'. A warning message indicates: 'Current selection does not contain a unique column. Grid edit, Edit, Copy and Delete features may result in undesired behavior.' The 'Showing rows 0 - 4 (5 total, Query took 0.0005 seconds)' section shows a table with 5 rows, each containing 'order_no' and 'order_date' values.

	order_no	order_date
<input type="checkbox"/>	0	2013-06-01
<input type="checkbox"/>	1	2013-02-01
<input type="checkbox"/>	2	2013-03-21
<input type="checkbox"/>	3	2013-03-02
<input type="checkbox"/>	4	2013-04-02

2. Describe the view view1

Desc view1;

The screenshot shows the phpMyAdmin interface with the 'Triggers' tab selected. A message states: 'Your SQL query has been executed successfully.' Below this, the 'Desc view1' tab is active, showing the structure of the view. The table has two columns: 'order_no' (varchar(50)) and 'order_date' (date). The 'order_date' column is marked as 'Null'.

Field	Type	Null	Key	Default	Extra
order_no	varchar(50)	NO		NULL	
order_date	date	YES		NULL	

3. Display Values of view1

SELECT* from view1;

localhost/phpmyadmin/index.php?route=/table/sql&db=dbms3&table=salesorder

Server: 127.0.0.1 » Database: dbms3 » View: view1

Browse Structure SQL Search Insert Export Privileges Operations

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0621 seconds.)

CREATE VIEW view1 (order_no,order_date) AS SELECT order_no,order_date FROM salesorder

[Edit inline] [Edit] [Create PHP code]

Current selection does not contain a unique column. Grid edit, Edit, Copy and Delete features may result in undesired behavior.

Showing rows 0 - 4 (5 total, Query took 0.0005 seconds)

SELECT * from view1

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options

				order_no	order_date
<input type="checkbox"/>	Edit	Copy	Delete	0	2013-06-01
<input type="checkbox"/>	Edit	Copy	Delete	1	2013-02-01
<input type="checkbox"/>	Edit	Copy	Delete	2	2013-03-21
<input type="checkbox"/>	Edit	Copy	Delete	3	2013-03-02
<input type="checkbox"/>	Edit	Copy	Delete	4	2013-04-02

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

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

insert into view1 values ('5','2013-06-01');

Show query box

1 row inserted. (Query took 0.1539 seconds.)

insert into view1 values ('5','2013-06-01')

[Edit inline] [Edit] [Create PHP code]

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

create VIEW view2 as SELECT client_no,cname from clientmaster;

Showing rows 0 - 6 (7 total, Query took 0.0004 seconds.)

```
SELECT* from view1
```

[Edit inline] [Edit] [Create PHP code]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

				order_no	order_date
<input type="checkbox"/>	Edit	Copy	Delete	0	2013-06-01
<input type="checkbox"/>	Edit	Copy	Delete	1	2013-02-01
<input type="checkbox"/>	Edit	Copy	Delete	106	2013-06-01
<input type="checkbox"/>	Edit	Copy	Delete	2	2013-03-21
<input type="checkbox"/>	Edit	Copy	Delete	3	2013-03-01
<input type="checkbox"/>	Edit	Copy	Delete	4	2013-04-01
<input type="checkbox"/>	Edit	Copy	Delete	5	2013-06-01

↑ ☐ Check all With selected Edit Copy Delete Export

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

INSERT INTO view2 VALUES(106,jobin);

JOBIN JOSEPH(12649)-RE localhost / 127.0.0.1 / dbms3 / cl +

localhost/phpmyadmin/index.php?route=/table/sql&db=dbms3&table=clientmaster

Server: 127.0.0.1 » Database: dbms3 » Table: clientmaster

Browse Structure SQL Search Insert Export Import Privileges Oper

Show query box

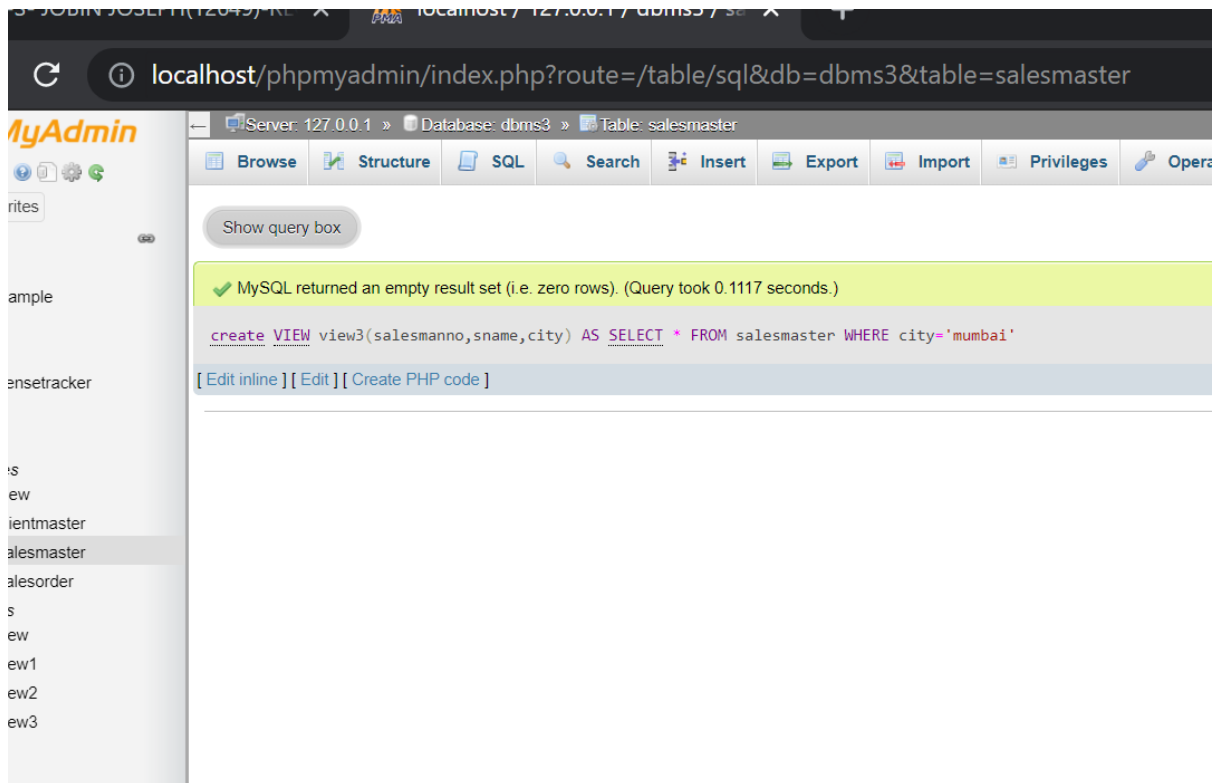
1 row inserted. (Query took 0.0729 seconds.)

```
INSERT INTO view2 VALUES('106','jobin')
```

[Edit inline] [Edit] [Create PHP code]

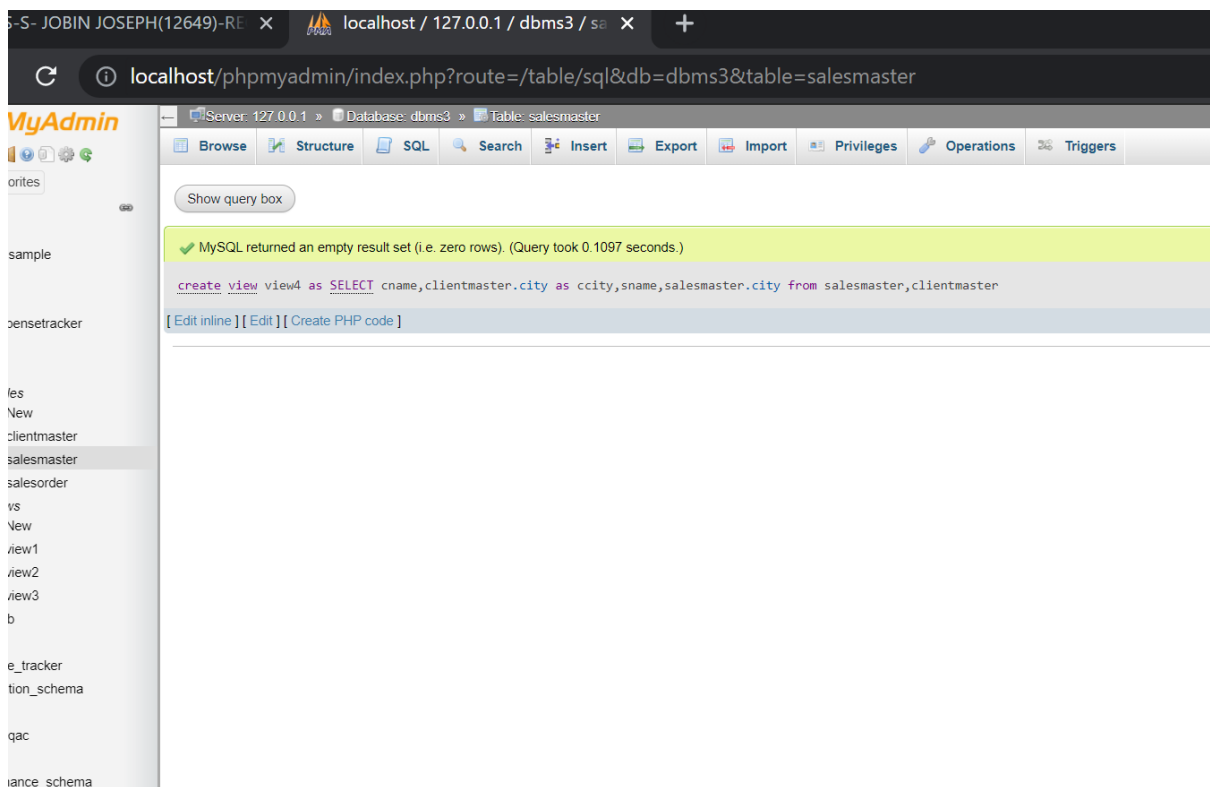
7. Create a view view3 from salesmaster with all columns with condition 'city=mumbai'

create view view3 as SELECT * from salesmaster 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 ccity,sname,salesmaster.city from salesmaster,clientmaster;



9. Describe view4

desc view4;

Your SQL query has been executed successfully.

desc view4

[Edit inline] [Edit] [Create PHP code]

+ Options

Field	Type	Null	Key	Default	Extra
cname	varchar(20)	YES		NULL	
ccity	varchar(26)	YES		NULL	
sname	varchar(20)	YES		NULL	
city	varchar(10)	YES		NULL	

Query results operations

Print Copy to clipboard Create view

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

insert into view4 values('nandu','mumbai','ananthu','mumbai');

ES-S- JOBIN JOSEPH(12649)-R... localhost / 127.0.0.1 / dbms3 / s... +

localhost/phpmyadmin/index.php?route=/table/sql&db=dbms3&table=salesmaster

MyAdmin

Server: 127.0.0.1 Database: dbms3 Table: salesmaster

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

SELECT * SELECT INSERT UPDATE DELETE Clear Format Get auto-saved query

☐ Bind parameters

Delimiter , ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks

Hide query box

Error

SQL query: [Copy](#)

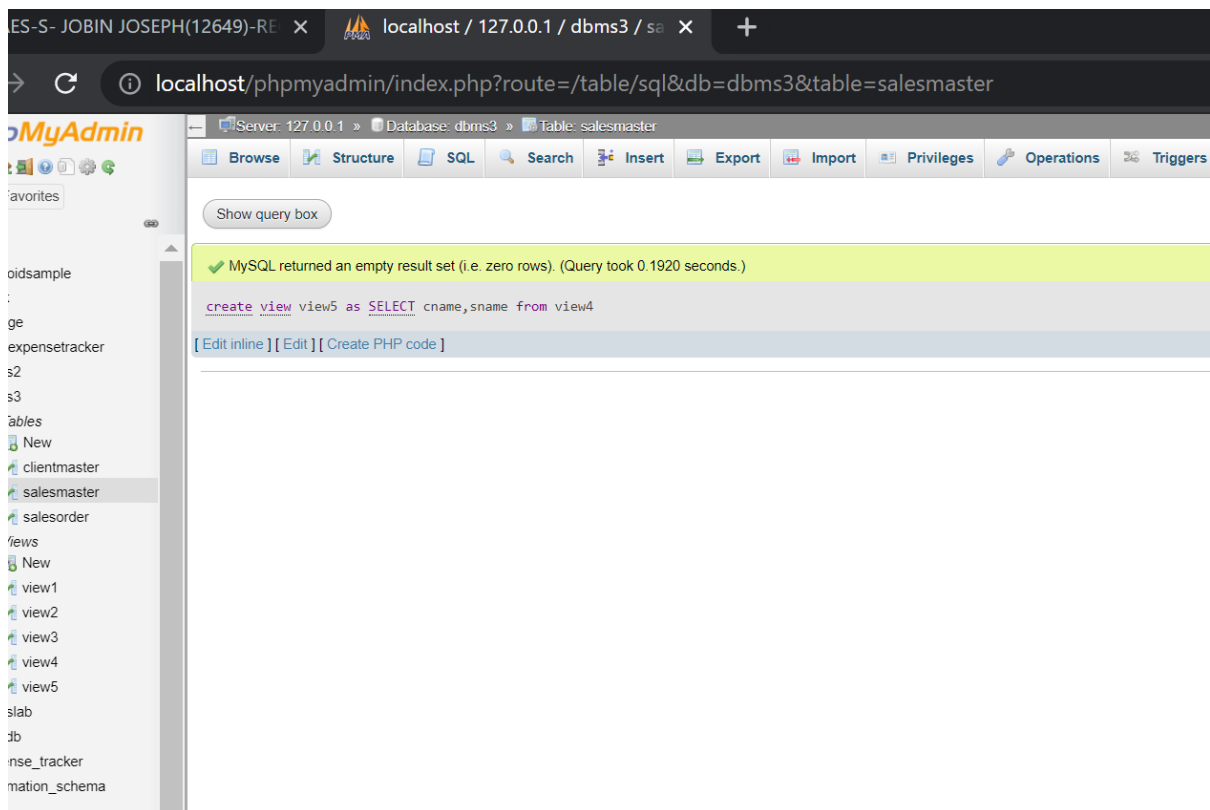
```
insert into view4 values('nandu','mumbai','ananthu','mumbai')
```

MySQL said: [Help](#)

#1394 - Can not insert into join view 'dbms3.view4' without fields list

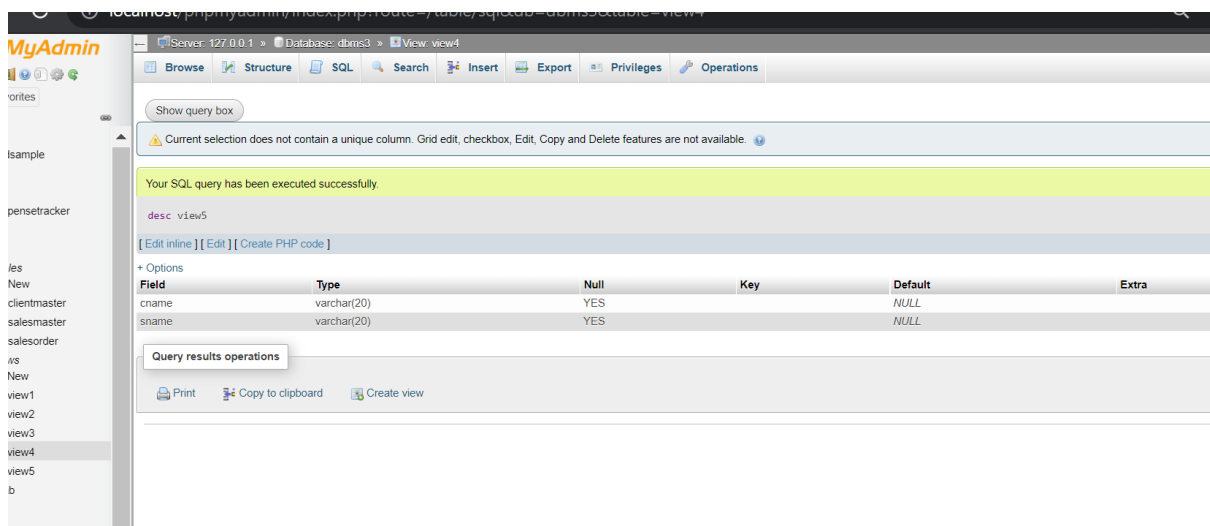
11. Create a view view5 from view4(cname,sname)

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('abin','bibin');

Hide query box

Error

SQL query: [Copy](#)

```
insert into view5 values('abin','bibin')
```

MySQL said: 

#1394 - Can not insert into join view 'dbms3.view5' without fields list

14. Delete the view4 table

drop view view4;

15. Delete the view5 table

drop view view5;