

EXPERIMENT NO.10 : 14/06/2021

VIEW TABLE

Create table of salesorder with following fields: Order Number(Unique key),Client number(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

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

```
CREATE VIEW view1 AS SELECT order_no,order_date FROM salesorder;
```

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.1073 seconds.)

```
CREATE VIEW view1 AS SELECT order_no,order_date FROM salesorder
```

[\[Edit inline\]](#)

2. Describe the view view1

```
desc view1;
```

Your SQL query has been executed successfully.

```
desc view1
```

+ Options

Field	Type	Null	Key	Default	Extra
order_no	varchar(11)	NO		NULL	
order_date	date	YES		NULL	

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('5','2013-06-08');
```

```
select*from view1;
```

	order_no	order_date
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	00	2013-06-01
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	01	2013-02-01
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	02	2013-03-21
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	03	2013-03-02
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	04	2013-04-02
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	2013-06-08

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

```
CREATE VIEW view2 AS SELECT clientno,cname FROM clientmaster;
```

```

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0959 seconds.)

CREATE VIEW view2 AS SELECT clientno,cname FROM clientmaster

```

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

```
INSERT INTO view2 VALUES('107','Ammu');
```

```
select*from view2;
```

	clientno	cname
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	101	senchu
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	102	sobin
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	103	sajan
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	104	siju
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	105	george
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	107	Ammu

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

```
CREATE VIEW view3 AS SELECT * FROM salesmaster WHERE city='mumbai';
```

```

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0616 seconds.)

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

+ Options

Field	Type	Null	Key	Default	Extra
cname	varchar(40)	YES		NULL	
ccity	varchar(40)	YES		NULL	
sname	varchar(40)	YES		NULL	
city	varchar(40)	YES		NULL	

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

```
Insert into view4 values ('achu','mumbai','ananthu','mumbai');
```

Error

SQL query: [Copy](#)

```
Insert into view4 values ('achu','mumbai','ananthu','mumbai')
```

MySQL said: ?

```
#1394 - Can not insert into join view 'sales.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;
```

```
Your SQL query has been executed successfully.

Desc view5

+ Options
Field    Type      Null    Key    Default    Extra
cname   varchar(40) YES           NULL
sname   varchar(40) YES           NULL
```

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

Insert into view5 values('rojan','ramu');

```
Error

SQL query: Copy

Insert into view5 values('rojan','ramu')

MySQL said: ?

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

14. Delete the view4 table

Drop view view4;

```
✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0011 seconds.)

Drop view view4
```

15. Delete the view5 table

Drop view view5;

```
✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0013 seconds.)

Drop view view5
```