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



2. Describe the view view1



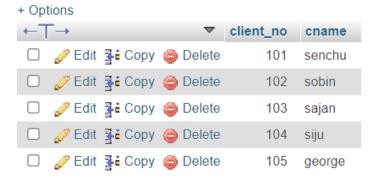
3. Display Values of view1



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



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



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



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

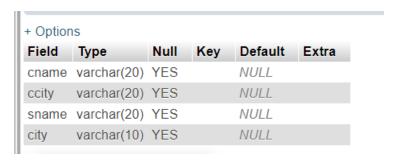


8.Create a view view4 from clientmaster and salesmaster with details (cname,city,sname,city)

```
✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0825 seconds.)

CREATE VIEW view4 AS SELECT cname, clientmaster.city as ccity, sname, salesmaster.city from salesmaster, clientmaster
```

9. Describe view4



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

```
Error

SQL query: Copy.

INSERT into view4 VALUES("sanu", "kochi", "jiya", "kollam")

MySQL said: 
#1394 - Can not insert into join view 'saleslab.view4' without fields list
```

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



12. Describe view5

| Field | Туре        | Null | Key | Default | Extra |
|-------|-------------|------|-----|---------|-------|
| cname | varchar(20) | YES  |     | NULL    |       |
| sname | varchar(20) | YES  |     | NULL    |       |

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

```
Error

SQL query: Copy.

INSERT into view5 VALUES("john", "joseph")

MySQL said: 
#1394 - Can not insert into join view 'saleslab.view5' without fields list
```

- 14. Delete the view4 table
- 15.Delete the view5 table.

```
✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0053 seconds.)

DROP VIEW view5
```

The staff in the HR department wants to hide some of the data in the EMPLOYEES table. They want a view called EMPLOYEES\_VU based on the employee numbers, employee names, and department numbers from the EMPLOYEES table. They want the heading for the employee name to be EMPLOYEE.

```
✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.1053 seconds.)
CREATE VIEW employees_vu as(SELECT employee_id,last_name as employee,department_id FROM emplooyees)
```

2. Confirm that the view works. Display the contents of the EMPLOYEES\_VU view.

| <b>←</b> ] | $\rightarrow$   |                 | $\triangledown$ | employee_id | employee | department_id |
|------------|-----------------|-----------------|-----------------|-------------|----------|---------------|
|            | <i></i> €dit    | <b>≩</b> € Copy | Delete          | 100         | king     | 90            |
|            | <i>  ⊘</i> Edit | <b>≩</b> € Copy | Delete          | 101         | KOCHAR   | 90            |
|            | <i></i> €dit    | <b>≩</b> € Сору | Delete          | 101         | KOCHAR   | 90            |
|            | <i>  ⊘</i> Edit | <b>≩</b> € Сору | Delete          | 102         | DEE HAAN | 90            |
|            | <i>   E</i> dit | <b>≩</b> € Сору | Delete          | 103         | HUNOLD   | 90            |
|            | <i>  ⊘</i> Edit | <b>≩</b> € Сору | Delete          | 104         | ERNST    | 60            |
|            | <i></i> €dit    | <b>≩</b> € Сору | Delete          | 107         | LORENTZ  | 60            |
|            | <i></i> € Edit  | <b>≩</b> € Сору | Delete          | 124         | MOURGOS  | 60            |
|            | <i></i> €dit    | <b>≩</b> € Сору | Delete          | 141         | RAJS     | 50            |
|            | <i></i> €dit    | <b>≩</b> € Copy | Delete          | 142         | DAVIES   | 50            |

3. Using your EMPLOYEES\_VU view, write a query for the HR department to display all employee names and department numbers.

| o paono  |               |
|----------|---------------|
| employee | department_id |
| king     | 90            |
| KOCHAR   | 90            |
| KOCHAR   | 90            |
| DEE HAAN | 90            |
| HUNOLD   | 90            |
| ERNST    | 60            |
| LORENTZ  | 60            |
| MOURGOS  | 60            |
| RAJS     | 50            |
| DAVIES   | 50            |

4. Department 50 needs access to its employee data. Create a view named DEPT50 that contains the employee numbers, employee last names, and department numbers for all employees in department 50. You have been asked to label the view columns EMPNO, EMPLOYEE, and DEPTNO. For security purposes, do not allow an employee to be reassigned to another department through the view.

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0610 seconds.)
CREATE VIEW dept50 as(select employee\_id as empno,last\_name as employee,department\_id as deptno from employees WHERE department\_id=50)

5. Display the structure and contents of the DEPT50 view.

## + Options

| Field    | Туре        | Null | Key | Default | Extra |
|----------|-------------|------|-----|---------|-------|
| empno    | int(20)     | NO   |     | NULL    |       |
| employee | varchar(20) | NO   |     | NULL    |       |
| deptno   | int(4)      | NO   |     | NULL    |       |

6. Test your view. Attempt to reassign Matos to department 80.

## + Options



| + Options   |            |           |          |              |            |          |        |                |            |               |
|-------------|------------|-----------|----------|--------------|------------|----------|--------|----------------|------------|---------------|
| employee_id | first_name | last_name | email    | phone_number | hire_date  | job_id   | salary | commission_pct | manager_id | department_id |
| 100         | steven     | king      | sking    | 555.123.4567 | 1987-06-17 | AD_PRESS | 24000  | 0              | 0          | 90            |
| 101         | NEENA      | KOCHAR    | NKOCHAR  | 515.123.4568 | 0000-00-00 | AD_VP    | 100000 | 0              | 100        | 90            |
| 101         | NEENA      | KOCHAR    | NKOCHAR  | 515.123.4568 | 1987-06-17 | AD_VP    | 100000 | 0              | 100        | 90            |
| 102         | LEX        | DEE HAAN  | LDHAAN   | 555.123.4569 | 1993-01-13 | AD_VP    | 17000  | 0              | 100        | 90            |
| 103         | ALEXANDER  | HUNOLD    | AHUNOLD  | 590.423.4567 | 1990-01-03 | IT_PROG  | 9000   | 0              | 102        | 90            |
| 104         | BRUCE      | ERNST     | BERNST   | 5904234568   | 1991-05-21 | IT_PROG  | 9000   | 0              | 102        | 60            |
| 107         | DIANA      | LORENTZ   | DLORENTZ | 555.123.4557 | 1999-02-07 | IT_PROG  | 6000   | 0              | 103        | 60            |
| 124         | KEVIN      | MOURGOS   | KMOURGOS | 6501235234   | 1999-11-16 | ST_MAN   | 4200   | 0              | 103        | 60            |
| 141         | TREENA     | RAJS      | TRAJS    | 6501218009   | 1995-10-17 | ST_CLERK | 5800   | 0              | 100        | 50            |
| 142         | CURTIES    | DAVIES    | CDAVIES  | 6501212994   | 1997-01-29 | ST_CLERK | 5800   | 0              | 124        | 50            |
| 104         |            | matos     |          |              | 0000-00-00 |          | 0      | 0              | 0          | 80            |
| 143         |            | motos     |          |              | 0000-00-00 |          | 0      | 0              | 0          | 80            |