EXERCISE 11

1,2)

```
mysql> create table employees(emp_id int(5),last_name varchar(25),dept_id int(6),dept_name varchar(25));
Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql> CREATE OR REPLACE VIEW employees_vu AS SELECT emp_id, last_name employee, dept_id FROM employees;
Query OK, 0 rows affected (0.02 sec)

mysql> SELECT * FROM employees_vu;
Empty set (0.00 sec)

mysql> insert into employees(emp_id,last_name,dept_id,dept_name)VALUES(23,'Suslin',45,'BT');
Query OK, 1 row affected (0.02 sec)

mysql> insert into employees(emp_id,last_name,dept_id,dept_name)VALUES(243,'Kumar',457,'ECE');
Query OK, 1 row affected (0.01 sec)

mysql> insert into employees(emp_id,last_name,dept_id,dept_name)VALUES(12,'Raj',354,'AI&DS');
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM employees_vu;
+--------+----------+---------+
| emp_id | employee | dept_id |
+--------+----------+---------+
|     23 | Suslin   |      45 |
|    243 | Kumar    |     457 |
|     12 | Raj      |     354 |
+--------+----------+---------+
3 rows in set (0.00 sec)
```

3)

```
mysql> SET LONG 600 ;SELECT view_name, text FROM user_views;


Empty set (0.00 sec)
```

4)

```
mysql> SELECT employee, dept_id FROM employees_vu;
+----------+---------+
| employee | dept_id |
+----------+---------+
| Suslin   |      45 |
| Kumar    |     457 |
| Raj      |     354 |
| Vardhini |      50 |
+----------+---------+
4 rows in set (0.00 sec)
```

5)

```
mysql> CREATE VIEW dept50 AS
    -> SELECT emp_id AS empno,
    ->          last_name AS employee,
    ->          dept_id AS deptno
    -> FROM employees
    -> WHERE dept_id = 50
    -> WITH CHECK OPTION;
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql> SELECT * FROM dept50;
+-------+----------+--------+
| empno | employee | deptno |
+-------+----------+--------+
|    89 | Vardhini |     50 |
+-------+----------+--------+
1 row in set (0.00 sec)
```

6)

```
mysql> Describe dept50;SELECT * FROM dept50;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| empno    | int         | YES  |     | NULL    |       |
| employee | varchar(25) | YES  |     | NULL    |       |
| deptno   | int         | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

+-------+----------+--------+
| empno | employee | deptno |
+-------+----------+--------+
|    89 | Vardhini |     50 |
+-------+----------+--------+
1 row in set (0.00 sec)
```

7)

```
mysql> UPDATE dept50 SET deptno = 80 WHERE employee ='Matos';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0
```

8)

```
mysql> CREATE OR REPLACE VIEW salary_vu AS SELECT e.last_name AS "Employee", d.department_name AS "Department", e.salary AS "Salary", j.grade_level AS "Grade" FROM employee
 e JOIN departments d ON e.department_id = d.department_id JOIN job_grades j ON e.salary BETWEEN j.lowest_sal AND j.highest_sal;
Query OK, 0 rows affected (0.01 sec)

mysql> select * from salary_vu;
+----------+------------+---------+-------+
| Employee | Department | Salary  | Grade |
+----------+------------+---------+-------+
| Williams | HR         | 3000.00 | A     |
| Smith    | HR         | 5000.00 | B     |
| Johnson  | Finance    | 8000.00 | C     |
+----------+------------+---------+-------+
3 rows in set (0.00 sec)
```