```
mysql> use information_schema;
Database changed
mysql> show tables;
79 tables
#####DML not allowed: insert, update, delete
*********
#INSIDE ROOT USER
1.CREATE VIEW:
mysql> create view v1
    -> as
    -> select * from student;
mysql> commit;
mysql> select * from v1;
+----+
| roll | name | age |
+----+
    1 | varsha | 12 |
2 | reema | 4 |
    3 | varshulii | 17 |
   4 | shulii | 10 |
+----+
2.Give permission to scott@localhost to select v1:
mysql> grant select on stud.v1 to scott@localhost;
commit;
3.IN SCOTT@LOCALHOST:
*mysql> select * from v1;
+----+
| roll | name | age |
+----+
   1 | varsha | 12 |
2 | reema | 4 |
3 | varshulii | 17 |
4 | shulii | 10 |
+----+
mysql> update v1 set roll=4 where rill=4;
ERROR 1142 (42000): UPDATE command denied to user 'scott'@'localhost' for table
'v1'
mysql> alter table v1 add sal int;
ERROR 1142 (42000): ALTER command denied to user 'scott'@'localhost' for table
mysql> insert into v1 values(2, 'aa', 45);
ERROR 1142 (42000): INSERT command denied to user 'scott'@'localhost' for table
'v1'
mysql> delete from v1;
ERROR 1142 (42000): DELETE command denied to user 'scott'@'localhost' for table
mysql> drop table v1;
ERROR 1142 (42000): DROP command denied to user 'scott'@'localhost' for table
'v1'
Give permission to 2 users:
mysql> grant select on stud.v1 to scott@localhost,shubhangi@localhost;
Give permission to public:
```

```
*****************
   **CHECK CONSTRAINT SAME FOR ALL**
mysql> create view v2 as select * from student where roll=2;
mysql> select * from v2;
+----+
| roll | name | age |
+----+
  2 | reema | 4 |
  2 | aa | 45 |
     BUT
mysql> insert into v2 values(1, 'shu', 4);
WE ARE ABLE TO INSERT NEW ROW
**BUT WITH CHECK OPTION**
WE CANNOT ABLE INSERT NEW ROW
1.mysql> create view v2 as select * from student where roll=2 with check option;
2.mysql> insert into v2 values(1,'shu',4);
ERROR 1369 (HY000): CHECK OPTION failed 'stud.v2'
mysql> select * from v2;
+----+
| roll | name | age |
+----+
  2 | reema | 4 |
2 | aa | 45 |
+----+
SHOW WHICH IS TABLE AND WHICH IS VIEW::
mysql> show full tables;
| Tables_in_stud | Table_type |
| student | BASE TABLE |
| v1
           | VIEW |
| v2
            | VIEW
+------+
********************
mysql> select * from student;
+----+
| roll | name | age |
+----+
   1 | varsha | 12 |
   2 | aa
```

mysql> grant select on stud.v1 to public;

```
mysql> select * from v2;
+----+
| roll | name | age |
+----+
| 2 | reema | 4 |
| 2 | aa | 45 |
```

## **#CREATE OR REPLACE VIEW::**

//IF VIEW V2 IS NOT THERE THEN CREATE OR IF IT IS ALREADY THERE IT WILL OVERWRITE VALUES

1.mysql> create or replace view v2 as select name, age\*2 'newage' from student;

//IT WILL ADD ALL ROWS FROM STUDENT TABLE IF THEY ARE ALREADY THERE IT WILL OVERWITE

2.mysql> select \* from v2;

+	++
name	newage
+	++
varsha	24
reema	8
varshulii	34
shulii	20
aa	90
shu	8
+	++

6 rows in set (0.00 sec)

\*

\*\*\*\*

mysql> create or replace view v2 as select upper(name) ,age\*2 from student;

mysql> select \* from v2;

upper(name)	age*2
VARSHA   REEMA   VARSHULII   SHULII   AA   SHU	24   8   34   20   90
+	

6 rows in set (0.00 sec)