Name: Vinayak Kumar Singh

Register No: 23MCA1030

Subject: DBMS LAB

1.Create Table and inserting values in it

```
Imysql> create table 23mca1030(Id int Primary Key,Name varchar(50) Not Null, city varchar(25) Not Null, college varchar(20) not null);
Query OK, 0 rows affected (0.03 sec)

[mysql> insert into 23mca1030 values(1,"Vinayak","Raipur","VIT");
Query OK, 1 row affected (0.01 sec)

[mysql> insert into 23mca1030 values(2,"Atul","Bilaspur","BIT");
Query OK, 1 row affected (0.00 sec)

[mysql> insert into 23mca1030 values(3,"Raj","Jaipur","BIT");
Query OK, 1 row affected (0.00 sec)

[mysql> insert into 23mca1030 values(4,"Rahul","Delhi","IPU");
Query OK, 1 row affected (0.00 sec)

[mysql> insert into 23mca1030 values(5,"Pankaj","Bikaner","RU");
Query OK, 1 row affected (0.00 sec)
```

2. Table View

3. Start Transaction and savepoint

```
[mysql> start transaction;
Query OK, 0 rows affected (0.00 sec)
[mysql> savepoint n;
Query OK, 0 rows affected (0.00 sec)
```

4. Updating table and its content

```
[mysql> update 23mca1030 set Name="Kanika" where college="RU";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
[mysql> savepoint a;
Query OK, 0 rows affected (0.00 sec)
[mysql> update 23mca1030 set Name="Naina" where City="Jaipur";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
[mysql> savepoint b;
Query OK, 0 rows affected (0.00 sec)
[mysql> select * from 23mca1030;
                         | college |
| Id | Name | city
   1 | Vinayak | Raipur | VIT
   2 | Atul | Bilaspur | BIT
   3 | Naina | Jaipur | BIT
   4 | Rahul | Delhi
                         | IPU
   5 | Kanika | Bikaner | RU
5 rows in set (0.00 sec)
```

5. Rollback to savepoint

6.In clause

7. Creating another table subject and inserting values

```
[mysql> create table Subject(Sub_Id int Primary Key,SubName varchar(50) Not Null, Id int, foreign key(Id) references 23mca1030(Id) );
Query OK, 0 rows affected (0.01 sec)
[mysql> insert into Subject values(1, "DBMS", 1);
Query OK, 1 row affected (0.01 sec)
[mysql> insert into Subject values(2,"DSA",4);
Query OK, 1 row affected (0.00 sec)
[mysql> insert into Subject values3,"WEBDEV",5);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'values3, "WEBDEV", 5)' at line 1
[mysql> insert into Subject values(3,"WEBDEY",5);
Query OK, 1 row affected (0.00 sec)
[mysql> insert into Subject values(4,"JAVA",2);
Query OK, 1 row affected (0.01 sec)
[mysql> insert into Subject values(5,"DATASCIENCE",3);
Query OK, 1 row affected (0.00 sec)
[mysql> select * from Subject;
  Sub_Id | SubName
      1 | DBMS
       2 | DSA
       3 | WEBDEV
       4 | JAVA
       5 | DATASCIENCE |
```

5 rows in set (0.00 sec)

8. Using Exist command

| Pankaj | +----+ 5 rows in set (0.00 sec)

| Rahul

9. Using Not in Command

5 rows in set (0.01 sec)

10. Checking Empty set and commit

```
[mysql> select * from 23mca1030 where city IN(select SubName from Subject);
Empty set (0.00 sec)
[mysql> commit;
Query OK, 0 rows affected (0.00 sec)
```