

GROUP - A

Assignment 2

SQL Queries:

- Design and Develop SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence, Synonym, different constraints etc.
- Write at least 10 SQL queries on the suitable database application using SQL DML statements.

```
mysql> CREATE DATABASE College;
Query OK, 1 row affected (0.15 sec)
```

```
mysql> USE College;
Database changed
mysql> CREATE TABLE Student(roll integer(20),name varchar(200),branch
varchar(200),class varchar(20),age integer(40),city varchar(200));
Query OK, 0 rows affected, 2 warnings (0.81 sec)
```

```
mysql> INSERT INTO Student VALUES(1,'Aditya','Computer','TY',20,'Pune');
Query OK, 1 row affected (0.12 sec)
```

```
mysql> INSERT INTO Student
VALUES(67,'Pratik','Computer','TY',20,'Parbhani');
Query OK, 1 row affected (0.08 sec)
```

```
mysql> INSERT INTO Student
VALUES(65,'Ashok','Computer','TY',20,'Dharashiv');
Query OK, 1 row affected (0.06 sec)
```

```
mysql> INSERT INTO Student
VALUES(61,'Onkar','Computer','TY',20,'Solapur');
Query OK, 1 row affected (0.08 sec)
```

```
mysql> INSERT INTO Student
VALUES(59,'Suraj','Computer','TY',20,'Siddhatek');
Query OK, 1 row affected (0.08 sec)
```

```
mysql> SELECT * FROM Student;
+-----+-----+-----+-----+-----+-----+
| roll | name   | branch | class | age  | city      |
+-----+-----+-----+-----+-----+-----+
| 1    | Aditya | Computer | TY    | 20   | Pune      |
| 67   | Pratik | Computer | TY    | 20   | Parbhani  |
| 65   | Ashok  | Computer | TY    | 20   | Dharashiv |
| 61   | Onkar  | Computer | TY    | 20   | Solapur   |
| 59   | Suraj  | Computer | TY    | 20   | Siddhatek |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> DELETE FROM Student WHERE roll=59;
Query OK, 1 row affected (0.07 sec)
```

```
mysql> SELECT * FROM Student;
```

roll	name	branch	class	age	city
1	Aditya	Computer	TY	20	Pune
67	Pratik	Computer	TY	20	Parbhani
65	Ashok	Computer	TY	20	Dharashiv
61	Onkar	Computer	TY	20	Solapur

4 rows in set (0.00 sec)

```
mysql> UPDATE Student SET age=19 WHERE name='Aditya';
Query OK, 1 row affected (0.09 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> SELECT * FROM Student;
```

roll	name	branch	class	age	city
1	Aditya	Computer	TY	19	Pune
67	Pratik	Computer	TY	20	Parbhani
65	Ashok	Computer	TY	20	Dharashiv
61	Onkar	Computer	TY	20	Solapur

4 rows in set (0.00 sec)

```
mysql> SELECT name FROM Students WHERE roll > 60;
ERROR 1146 (42S02): Table 'College.Students' doesn't exist
mysql> SELECT name FROM Student WHERE roll > 60;
```

name
Pratik
Ashok
Onkar

3 rows in set (0.00 sec)

```
mysql> CREATE VIEW Student_View AS SELECT roll,name,city FROM Student;
Query OK, 0 rows affected (0.22 sec)
```

```
mysql> SELECT * FROM Student_View;
```

roll	name	city
1	Aditya	Pune
67	Pratik	Parbhani
65	Ashok	Dharashiv
61	Onkar	Solapur

4 rows in set (0.00 sec)

```
mysql> ALTER TABLE Student ADD address varchar(250);
Query OK, 0 rows affected (0.39 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT * FROM Student;
```

roll	name	branch	class	age	city	address
1	Aditya	Computer	TY	19	Pune	NULL
67	Pratik	Computer	TY	20	Parbhani	NULL
65	Ashok	Computer	TY	20	Dharashiv	NULL
61	Onkar	Computer	TY	20	Solapur	NULL

```
4 rows in set (0.00 sec)
```

```
mysql> ALTER TABLE Student DROP COLUMN address;
```

```
Query OK, 0 rows affected (1.20 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> SELECT * FROM Student;
```

roll	name	branch	class	age	city
1	Aditya	Computer	TY	19	Pune
67	Pratik	Computer	TY	20	Parbhani
65	Ashok	Computer	TY	20	Dharashiv
61	Onkar	Computer	TY	20	Solapur

```
4 rows in set (0.00 sec)
```

```
mysql>
```