**Roll no -63**

**Name –Rutuja Ashok Sathe**

**Assignment No. 2-B**

**Problem statement :**

Design at least 10 SQL queries for suitable database application using SQL DML statements: Insert, Select, Update, Delete with operators, functions, and set operator.

mysql> use rutuja;

Database changed

mysql> create table indoor(i\_no int,name varchar(30),branch varchar(30),year int(4),game varchar(20),points int(5));

Query OK, 0 rows affected, 2 warnings (0.28 sec)

mysql> insert into indoor(i\_no,name,branch,year,game,points) values (1,'rutuja','Computer',3,'chess','40');

Query OK, 1 row affected (0.17 sec)

mysql> insert into indoor(i\_no,name,branch,year,game,points) values (2,'Sakshi','IT',3,'carrom','50');

Query OK, 1 row affected (0.09 sec)

mysql> insert into indoor (i\_no,name,branch,year,game,points) values (3,'Radha','Civil',3,'carrom','20');

Query OK, 1 row affected (0.07 sec)

mysql> select \* from indoor;

+------+--------+----------+------+--------+--------+

| i\_no | name | branch | year | game | points |

+------+--------+----------+------+--------+--------+

| 1 | rutuja | Computer | 3 | chess | 40 |

| 2| Sakshi | IT | 3 | carrom | 50 |

| 3| Radha | Civil | 3 | carrom | 20 |

+------+--------+----------+------+--------+--------+

3 rows in set (0.00 sec)

mysql> create table outdoor(o\_no int,name varchar(30),branch varchar(30),year int(4),game varchar(20),points int(5));

Query OK, 0 rows affected, 2 warnings (0.16 sec)

mysql> insert into outdoor(o\_no,name,branch,year,game,points) values (1,'Rohit','Mechanical',3,'Cricket','25');

Query OK, 1 row affected (0.08 sec)

mysql> insert into outdoor(o\_no,name,branch,year,game,points) values (2,'Pooja','E&TC',3,'badminton','55');

Query OK, 1 row affected (0.07 sec)

mysql> select \* from outdoor;

+------+-------+------------+------+-----------+--------+

| o\_no | name | branch | year | game | points |

+------+-------+------------+------+-----------+--------+

| 1 | Rohit | Mechanical | 3 | Cricket | 25 |

| 2 | Pooja | E&TC | 3 | badminton | 55 |

+------+-------+------------+------+-----------+--------+

2 rows in set (0.00 sec)

mysql> select name from indoor union all select name from outdoor;

+--------+

| name |

+--------+

| rutuja |

| Sakshi |

| Radha |

| Rohit |

| Pooja |

+--------+

5 rows in set (0.02 sec)

mysql> update indoor set year='2' where name="Sakshi";

Query OK, 1 row affected (0.10 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from outdoor;

+------+-------+------------+------+-----------+--------+

| o\_no | name | branch | year | game | points |

+------+-------+------------+------+-----------+--------+

| 1 | Rohit | Mechanical | 3 | Cricket | 25 |

| 2| Pooja | E&TC | 3 | badminton | 55 |

+------+-------+------------+------+-----------+--------+

2 rows in set (0.00 sec)

mysql> select \* from indoor;

+------+--------+----------+------+--------+--------+

| i\_no | name | branch | year | game | points |

+------+--------+----------+------+--------+--------+

| 1 | rutuja | Computer | 3 | chess | 40 |

| 2 | Sakshi| IT | 2 | carrom | 50 |

| 3 | Radha | Civil | 3 | carrom | 20 |

+------+--------+----------+------+--------+--------+

3 rows in set (0.00 sec)

mysql> delete from indoor where branch="IT";

Query OK, 1 row affected (0.06 sec)

mysql> select \* from indoor;

+------+--------+----------+------+--------+--------+

| i\_no | name | branch | year | game | points |

+------+--------+----------+------+--------+--------+

| 1 | rutuja | Computer | 3 | chess | 40 |

| 3 | Radha| Civil | 3 | carrom | 20 |

+------+--------+----------+------+--------+--------+

2 rows in set (0.00 sec)

mysql> select name from outdoor;

+-------+

| name |

+-------+

| Rohit |

| Pooja |

+-------+

2 rows in set (0.00 sec)

mysql> select name from outdoor where game="Cricket";

+-------+

| name |

+-------+

| Rohit |

+-------+

1 row in set (0.00 sec)

mysql> select sum(points) from indoor where branch="Computer";

+-------------+

| sum(points) |

+-------------+

| 40 |

+-------------+

1 row in set (0.00 sec)

mysql> select \* from outdoor where game like 'foo%';

Empty set (0.00 sec)

mysql> select \* from outdoor where branch like '\_\_';

Empty set (0.00 sec)

mysql> select \* from indoor order by points DESC;

+------+--------+----------+------+--------+--------+

| i\_no | name | branch | year | game | points |

+------+--------+----------+------+--------+--------+

| 1 | rutuja | Computer | 3 | chess | 40 |

| 3 | Radha| Civil | 3 | carrom | 20 |

+------+--------+----------+------+--------+--------+

2 rows in set (0.00 sec)

mysql>