**Ex. No: 1 Date: 21 – 07 - 2022**

**Experiment 1**

**Consider the following schema for Store Database.**

Employee (empno, name, sal)

Store (Store\_id, Store\_name, Store\_ loc)

##### Write SQL queries to

1. Create tables Employee and Store.
2. Display structure of tables Employee and Store.
3. Insert values into tables Employee and Store.
4. Display the contents of the tables Employee and Store.
5. Display the columns from table Employee and Store.
6. Demonstrate the WHERE clause using tables Employee and Store.
7. Demonstrate the DELETE operation on tables Employee and Store.
8. Demonstrate the ORDER BY clause using table Store.
9. Demonstrate the DROP operation on tables Employee and Store.

**Queries:**

1. **Create tables Employee and Store.**

SQL> CREATE TABLE Employee (empno int, name varchar2(10), sal number (10,2));

Table created.

SQL> CREATE TABLE Store (Store\_id int, Store\_name varchar (10),Store\_loc varchar

(10));

Table created.

1. **Display structure of tables Employee and Store.**

SQL> DESC Employee;

SQL> DESC Store;

1. **Insert values into tables Employee and Store.**

SQL> INSERT INTO Employee VALUES (001,'RAM',21654);

1 row created.

SQL> INSERT INTO Employee VALUES (002,'JOE',15642);

1 row created.

SQL> INSERT INTO Employee VALUES (003,'KAREEM',1644);

1 row created.

SQL> INSERT INTO Store VALUES (7704, 'Manna Mart', 'Delhi');

1 row created.

SQL> INSERT INTO Store VALUES (1174, 'Lulu', 'Chennai');

1 row created.

SQL> INSERT INTO Store VALUES (5487, 'Neel', 'Bombay');

1 row created.

SQL> INSERT INTO Store VALUES (9546, 'D-Mart', 'Banglore');

1. row created.
2. **Display the contents of the tables Employee and Store.**

SQL> SELECT \* FROM Employee;

SQL> SELECT \* FROM Store;

1. **Display the columns from table Employee and Store.**

SQL> SELECT name FROM Employee;

SQL> SELECT sal FROM Employee;

SQL> SELECT empno FROM Employee;

SQL> SELECT Store\_id FROM Store;

SQL> SELECT Store\_name FROM Store;

SQL> SELECT Store\_loc FROM Store;

1. **Demonstrate the WHERE clause using tables Employee and Store.**

SQL> SELECT name FROM Employee WHERE empno=002;

SQL> SELECT sal FROM Employee WHERE empno=003;

SQL> SELECT Store\_loc FROM Store WHERE Store\_id=7704;

SQL> SELECT Store\_loc FROM Store WHERE Store\_id=5487;

1. **Demonstrate the DELETE operation on tables Employee and Store.**

SQL> DELETE Employee WHERE Name='RAM';

SQL> DELETE Store WHERE Store\_loc = 'Bombay';

1. **Demonstrate the ORDER BY clause using table Store.**

SQL> SELECT Store\_loc FROM Store ORDER BY Store\_name;

SQL> SELECT Store\_name FROM Store ORDER BY Store\_loc;

SQL> SELECT Store\_name FROM Store ORDER BY Store\_loc ASC;

1. **Demonstrate the DROP operation on tables Employee and Store.**

SQL> DROP TABLE Store;

SQL> DROP TABLE employee;

**Code:**

SQL> create table Employee(

2 empno Int,

3 name varchar2(10),

4 sal number(10,2));

Table created.

SQL> select \* from Employee;

no rows selected

SQL> desc Employee;

Name Null? Type

----------------------------------------- -------- -------------------------

EMPNO NUMBER(38)

NAME VARCHAR2(10)

SAL NUMBER(10,2)

SQL> insert into Employee values(001,'RAM',21654);

1 row created.

SQL> insert into Employee values(002,'JOE',15642);

1 row created.

SQL> insert into Employee values(003,'KAREEM',1644);

1 row created.

SQL> select \* from Employee;

EMPNO NAME SAL

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1 RAM 21654

2 JOE 15642

3 KAREEM 1644

SQL> desc employee;

Name Null? Type

----------------------------------------- -------- -------------------------

EMPNO NUMBER(38)

NAME VARCHAR2(10)

SAL NUMBER(10,2)

SQL> select NAME from Employee;

NAME

----------

RAM

JOE

KAREEM

SQL> select SAL from Employee;

SAL

----------

21654

15642

1644

SQL> select EMPNO from Employee;

EMPNO

----------

1

2

3

SQL> select NAME from Employee where EMPNO=001;

NAME

----------

RAM

SQL> select NAME from Employee where EMPNO=002;

NAME

----------

JOE

SQL> select NAME from Employee where EMPNO=003;

NAME

----------

KAREEM

SQL> select SAL from Employee where EMPNO=003;

SAL

----------

1644

SQL> select SAL from Employee where EMPNO=002;

SAL

----------

15642

SQL> select SAL from Employee where EMPNO=001;

SAL

----------

21654

SQL> delete Employee where NAME='RAM';

1 row deleted.

SQL> select \* from Employee;

EMPNO NAME SAL

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2 JOE 15642

3 KAREEM 1644

SQL> delete Employee where EMPNO ='3';

1 row deleted.

SQL> select \* from Employee;

EMPNO NAME SAL

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2 JOE 15642

SQL> drop table employee;

Table dropped.

SQL> create table store(store\_id int, store\_name varchar(10), store\_loc varchar(10));

Table created.

SQL> desc store;

Name Null? Type

----------------------------------------- -------- ------------------------

STORE\_ID NUMBER(38)

STORE\_NAME VARCHAR2(10)

STORE\_LOC VARCHAR2(10)

SQL> insert into store values (7704,'Manna Mart','Delhi');

1 row created.

SQL> insert into store values (1174,'Lulu','Chennai');

1 row created.

SQL> insert into store values (5487,'Neel','Bombay');

1 row created.

SQL> insert into store values (9546,'D-Mart','Banglore');

1 row created.

SQL> select \* from store;

STORE\_ID STORE\_NAME STORE\_LOC

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7704 Manna Mart Delhi

1174 Lulu Chennai

5487 Neel Bombay

9546 D-Mart Banglore

SQL> select STORE\_ID from store;

STORE\_ID

----------

7704

1174

5487

9546

SQL> select STORE\_NAME from store;

STORE\_NAME

----------

Manna Mart

Lulu

Neel

D-Mart

SQL> select STORE\_LOC from store;

STORE\_LOC

----------

Delhi

Chennai

Bombay

Banglore

SQL> select STORE\_LOC from store WHERE STORE\_ID=7704;

STORE\_LOC

----------

Delhi

SQL> select STORE\_LOC from store WHERE STORE\_ID=1174;

STORE\_LOC

----------

Chennai

SQL> select STORE\_LOC from store WHERE STORE\_ID=5487;

STORE\_LOC

----------

Bombay

SQL> select STORE\_LOC from store WHERE STORE\_ID=9546;

STORE\_LOC

----------

Banglore

SQL> select STORE\_LOC from store ORDER BY STORE\_ID;

STORE\_LOC

----------

Chennai

Bombay

Delhi

Banglore

SQL> select STORE\_LOC from store ORDER BY STORE\_NAME;

STORE\_LOC

----------

Banglore

Chennai

Delhi

Bombay

SQL> select STORE\_NAME from store ORDER BY STORE\_ID;

STORE\_NAME

----------

Lulu

Neel

Manna Mart

D-Mart

SQL> select STORE\_NAME from store ORDER BY STORE\_LOC;

STORE\_NAME

----------

D-Mart

Neel

Lulu

Manna Mart

SQL> select STORE\_NAME from store ORDER BY STORE\_LOC ASC;

STORE\_NAME

----------

D-Mart

Neel

Lulu

Manna Mart

SQL> select STORE\_NAME from store ORDER BY STORE\_LOC DESC;

STORE\_NAME

----------

Manna Mart

Lulu

Neel

D-Mart

SQL> select \* from store;

STORE\_ID STORE\_NAME STORE\_LOC

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7704 Manna Mart Delhi

1174 Lulu Chennai

5487 Neel Bombay

9546 D-Mart Banglore

SQL> delete store where STORE\_ID = 9546;

1 row deleted.

SQL> select \* from store;

STORE\_ID STORE\_NAME STORE\_LOC

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7704 Manna Mart Delhi

1174 Lulu Chennai

5487 Neel Bombay

SQL> delete store where STORE\_LOC = 'Bombay';

1 row deleted.

SQL> select \* from store;

STORE\_ID STORE\_NAME STORE\_LOC

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7704 Manna Mart Delhi

1174 Lulu Chennai

SQL> delete store where STORE\_NAME = 'Lulu';

1 row deleted.

SQL> select \* from store;

STORE\_ID STORE\_NAME STORE\_LOC

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7704 Manna Mart Delhi

SQL> drop table store;

Table dropped.