

EXPERIMENT-2

AIM : TO Write SQL queries to MANIPULATE TABLES for various databases using DML commands(i.e. INSERT, SELECT, UPDATE, DELETE,).

Creating table :

```
SQL> CREATE TABLE student1 (  
  2   id INT PRIMARY KEY,  
  3     name VARCHAR(50),  
  4     age INT,  
  5     email VARCHAR(100),  
  6   registration_date NUMBER  
  7 );
```

Table created.

INSERT COMMAND:

It is used to add values to a table.

SYNTAX:

INSERT INTO tablename

VALUES (value1,value2,...,valuen);

INSERT INTO tablename (column1, column2,...,column)

VALUES (value1, value2,...,valuen);

```
SQL> INSERT INTO student1 VALUES(2,'parvathi',19,'parvathi@gmail.com',2023-2-2);

1 row created.

SQL> INSERT INTO student1 VALUES(3,'naveen',17,'naveen@gmail.com',2023-3-3);

1 row created.

SQL> INSERT INTO student1 VALUES(4,'kavya',17,'kavya@gmail.com',2023-4-4);

1 row created.
```

SELECT COMMAND:

The SELECT command used to list the contents of a table.

SYNTAX:

Select * from table_name;

Select col_name from table_name;

```
SQL> select * FROM student1;

      ID NAME                                AGE
-----
EMAIL
-----
REGISTRATION_DATE
-----
      1 bindu                                18
bindu@gmail.com
      2021

      2 parvathi                                19
parvathi@gmail.com
      2019
```

ID	NAME	AGE

EMAIL		

REGISTRATION_DATE		

3	naveen	17
naveen@gmail.com		
2017		
4	kavya	17
kavya@gmail.com		

UPDATE COMMAND:

The update command used to modify the contents of specified table.

SYNTAX:

UPDATE tablename

SET column_name = value[,

Column_name = value]

[WHERE condition_isit];

```
SQL> UPDATE student1 SET name='shiva' WHERE age=19;

1 row updated.

SQL> SELECT * FROM student1;
```

ID	NAME	AGE

EMAIL		

REGISTRATION_DATE		

1	bindu	18
bindu@gmail.com		
2021		
2	shiva	19
parvathi@gmail.com		
2019		

DELETE COMMAND:

To delete all rows or specified rows in a table.

SYNTAX:

DELETE FROM tablename [WHERE condition_list];

```
SQL> DELETE from student1 WHERE age=18;
```

```
1 row deleted.
```

```
SQL> select * from student1;
```

ID	NAME	AGE
1	shiva	18
2	shiva	19
3	naveen	17