Ex.No.: 1		CREATION OF BASE TABLE AND DML OPERATIONS
Date:	06/08/25	

AIM:

ALGORITHM:

STEP-1: Start.

STEP-2: Create a base Table

Syntax:

CREATE TABLE <table name> (column1 type, column2 type, …);

STEP-3: Describe the Table structure

Syntax:

DESC <table name>

STEP-4: Add a new row to a Table using INSERT statement.

Syntax:

- INSERT INTO <table name> VALUES (value1, value2..);
- INSERT INTO <table name> (column1, column2..)
  VALUES (value1, value2..);
- INSERT INTO <table name>VALUES (&column1,'&column');

STEP-5: Modify the existing rows in the base Table with UPDATE statement.

Syntax:

UPDATE <table name> SET column1=value, column2 = 'value'
WHERE (condition);

STEP-6: Remove the existing rows from the Table using DELETE statement.

Syntax:

DELETE FROM <table name> WHERE <condition>;

STEP-7: Perform a Query using SELECT statement.

Syntax:

SELECT [DISTINCT] {*,<column1,,,..>} FROM <table name>
WHERE <condition>;

STEP-8: The truncate command deletes all rows from the table. Only the structure of the table remains.

Syntax:

TRUNCATE TABLE <table name>;

STEP-9: Alter the existing table using ALTER statement.

Syntax:

Add Column:

ALTER TABLE <table name> ADD (column data type [DEFAULTexpr][,column data type]);

Modify Column:

ALTER TABLE <table name> MODIFY (column data type [DEFAULT expr], [,column data type]);

Drop Column:

ALTER TABLE <table name> DROP COLUMN <column name>;

STEP-10: To drop the entire table using DROP statement.

Syntax:

DROP TABLE <table name>;

STEP-11: Exit.

1. Create MY_EMPLOYEE table with the following structure

1> CREATE TABLE MY_EMPLOYEE (ID INT NOT NULL, Last_name VARCHAR(25), First_name VARCHAR(25), Userid VARCHAR(25), Salary DECIMAL(9,2));

NAME	NULL?	TYPE
ID	Not null	Number(4)
Last_name		Varchar(25)
First_name		Varchar(25)
Userid		Varchar(25)
Salary		Number(9,2)

2. Add the first and second rows data to MY_EMPLOYEE table from the following sample data.

ID	Last_name	First_name	Userid	salary
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860
3	Biri	Ben	bbiri	1100
4	Newman	Chad	Cnewman	750
5	Ropebur	Audrey	aropebur	1550

INSERT INTO MY_EMPLOYEE (ID, Last_name, First_name, Userid, Salary) VALUES (1, 'Patel', 'Ralph', 'rpatel', 895), (2, 'Dancs', 'Betty', 'bdancs', 860);

3. Display the table with values.

SELECT * FROM MY_EMPLOYEE;

4. Populate the next two rows of data from the sample data. Concatenate the first letter of the first_name with the first seven characters of the last_name to produce Userid.

INSERT INTO MY_EMPLOYEE VALUES(3,'Biri','Ben','bbiri', 1100);
INSERT INTO MY_EMPLOYEE VALUES (4,'Newman','Chad', cnewman, 750);
INSERT INTO MY_EMPLOYEE VALUES (5,'Ropebur','Audrey','aropebur',1550);

5. Delete Betty dancs from MY_EMPLOYEE table.

DELETE FROM MY_EMPLOYEE WHERE First_Name = 'Betty' AND Last_Name = 'Dancs';

6. Empty the fourth row of the emp table.

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DELETE FROM MY_EMPLOYEE WHERE ID = 4;
```

7. Make the data additions permanent.

```
COMMIT ;
```

8. Change the last name of employee 3 to Drexler.

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UPDATE MY_EMPLOYEE SET Last_Name = 'Drexler'
WHERE ID = 3;
```

9. Change the salary to 1000 for all the employees with a salary less than 900.

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UPDATE MY_EMPLOYEE SET Salary = 1000 WHERE Salary < 900 ;
```

Evaluation Procedure	Marks awarded
Query(5)	
Execution (5)	
Viva(5)	
Total (15)	
Faculty Signature	

RESULT:

Thus all the above SQL statements were executed.