Ex.No.: 1		CREATION OF BASE TABLE AND DML OPERATIONS
Date:	26.7.24	

AIM:

To create the table and perform the DML operations.

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.

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1.Create MY EMPLOYEE table with the following structure

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

```
CREATE TABLE MY_EMPLOYEE(
ID number(4) Not null,
Last_name Varchar (25),
First_Name Varchar (25),
Userid Varchar (25),
Salary Number (9,2)
);
```

Object Type **TABLE** Object **MY_EMPLOYEE**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MY_EMPLOYEE	ID	NUMBER	-	4	0	-	-	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	FIRST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	USERID	VARCHAR2	25	-	-	-	✓	-	-
	SALARY	NUMBER	-	9	2	-	✓	-	-

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

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 values(1,'Patel','Ralph','rpatel',895);
INSERT into MY_EMPLOYEE values(2,'Dancs','Betty','bdancs',860);
```

3..Display the table with values.

SELECT *from MY_EMPLOYEE;

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860

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

INSERT into MY_EMPLOYEE values (3,'Biri','Ben','bbri',1100);

INSERT into MY_EMPLOYEE values (4,'Newman','chad','Cnewman',750);

INSERT into MY_EMPLOYEE values (5,'Ropebur','Audrey','aropebur',1550);

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860
3	Biri	Ben	bbri	1100
4	Newman	chad	Cnewman	750
5	Ropebur	Audrey	aropebur	1550

5.Delete Betty dancs from MY _EMPLOYEE table.

DELETE from MY_EMPLOYEE where First_name='Betty';

6.Empty the fourth row of the emp table.

DELETE from MY_EMPLOYEE where ID=5;

7.Make the data additions permanent.

COMMIT;

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

UPDATE MY_EMPLOYEE set Last_name='Drexler' where ID=3;

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
3	Drexler	Ben	bbri	1100
4	Newman	chad	Cnewman	750

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

UPDATE MY_EMPLOYEE set Salary=1000 where Salary<900;

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	1000
3	Drexler	Ben	bbri	1100
4	Newman	chad	Cnewman	1000