

Ex.No.: 1	01	CREATION OF BASE TABLE AND DML OPERATIONS
Date: 6/8/24		

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  
[DEFAULT Expr][,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

Create table MY_EMPLOYEE (ID number (4) not null, Last_name

Varchar (25), First_name Varchar (25), User_ID Varchar (25),

salary number (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 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 ;

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, 'Aswini', 'shetu', 'Ashetu', 1200);
 insert into MY_EMPLOYEE values (4, 'Newman', 'chad', 'Cnewman', 1300);

5. Delete Betty dancs from MY_EMPLOYEE table.

delete from MY_EMPLOYEE where Last_name = 'Biri' ;

6. Empty the fourth row of the emp table.

delete from MY_EMPLOYEE where ID = 4 ;

7. Make the data additions permanent.

commit ;

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

update MY_EMPLOYEE set salary = 'Drexler' where ID = 3

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 ;

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