Date : 5/8/25 TASK:2

Aim : To implement Data definition language (DDL) comment in relational database management system and DDL command

I) DDL COMMAND : are used to define, modify, or delete the structure of database object such as follows

1) Create table : used to create table.

Query : create table Students (stdid int primary key, Stdname Varchar(50), rollno int, phno int);

create table employee (empid int, empname varchar (50));

output: table created(2).

2. Describe / Desc - display structure of table

Query : desc students;

Output :

Name	Null ?	Type
stdid	NOT NULL	NUMBER(38)
stdname		VARCHAR 2(50)
rollno		NUMBER(38)
phno		NUMBER (38)

3. Alter - used to add, delete or modify column in existing table.

Query : alter table statement student add admission date;

output : Table altered (2)

4. Drop table: Delete the entire table and it's values

Query: drop table students;

Output: Table dropped.

III) DML commands: Used to manage and manipulate data inside database tables.

1. Insert into: To insert in Table

Query: insert into employee values (011, "Eleven");
insert into employee values (001, "Vetna");

output:
rows inserted.

2. Update: Modifies existing data in table

Query: update employee set empname = max may flowers where empid = 011;

output:
row updated

Select * from employee

empid	empname
011	max mayflower
001	Vetma

3) Select – Recieve data from one or more table

Select empname from employee;

output: empname

empname
max emay-field
Vetma

4. Select with where user retrieves specific record that the satisfy condition.

Query:

```
Select * from employee where empid =011;
```

empid	empname
011	max mayfield

5. Delete :

Delete one or more rows from table, Delete from employee where empid =011; ✓

output: 1 row deleted.

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Result:

Hence, The implementation of DDL and DML commends in Relational database is done executed.

Date: 12/8/25

Task: 2.b

To Study and Implement DDL and DML commands in DBMS Based on "COLLEGE SLOT MANAGEMENT SYSTEM.

I) DDL: create:-

create table slot (slot_id int primary key, slot_type varchar(30), instructor vachar(30), join_date date, venue vachar(30))

create table department (dept_id int primary key, dptname varchar(50), slot_id int, foreign key (slot_id) references slot (slot_id));

create table course (course_id int primary key, course_name varchar(100), credits_offered int, prerequistes varchar(100), dept_id int, course_type varchar(30), foreign key(dept_id) references department (dept_id));

create table student (student_id int primary key, name varchar(50), email varchar(50) unique, age int, academic_year int, dept_id int, slot_id int, foreign key (dept_id) references department (dept_id) foreign key (slot_id) references slot (slot_id));

After : After table student add phone varchar(15);

Truncate : Truncate Table student;

Drop : Drop Table student;

II) DML COMMAND'S:

INSERT:

```
Insert into Slot values (1, 'Morning', Dr. Ramu, '2020-06-01',
                         'Hall B');

Insert into Slot values (2, 'Evening', Prof meena', '2019-07-01',
                         'Hall 8');

Insert into Department values (101, 'computer', 1);

Insert into Department values (102, 'Electronics', 2);

Insert into course values (201, 'DBMS', 4, 'Basic SQL', 101, 'co
                                                              ;

Insert into Course values (202, 'Networks', 3, 'cprogramming',
                           102, 'core');

Insert into Student valuels (301, 'Arun', 'arun@gmail.com',
                             20, 2, 101, 0);

Insert into Student values (302, 'Divya', 'divya@gmail.com',
                            19, 1, 102, 2);
```

Update: Update Student set email =
'arun123@gmail.com, where Student Id = 301;

Delete: Delete from Student where Student_Id = 302;

Select where : Select name, email from Student where age > 19;

Select: select * from student;

Select name, student_id from student;

VEL TECH	
EX NO.	2.1
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	
TOTAL (20)	13
SIGN WITH DATE	26/5

Result:-

The task to implement DDL and DML commands for our created Task-1 Entity in RDBMS has been successfully completed.