Task-2.1 5/8/25.

AIM:-

To implement Data Definition Language (DDL) commands in relational database management system and DML commands.

1) DDL Commands:

DDL 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.
Std id	NOT NULL	NUMBER (38)
stdname		VARCHAR 2 (50)
roll no		NUMBER(38)
ph.no		NUMBER(38)

3. Alter - Used to add, delete or modify columns in existing table.

Query:-

Alter table students add Admission date;

Output:

Table altered(2)

4. Drop Table: Delete the entire table and its values.

Query:

Drop table students;

Output:

Table dropped.

II) DML Commands:

Used to manage and manipulate data inside database Tables.

1) Insert into: To insert values in table.

Query:

insert into employee values (011, Elven);

insert into employee value (001, 'vetna');

Output:

1 rows inserted.

2) Update

Modifier existing data in table

Query:

Update employee set empname='max mayflower'

where empid = 011;

Output:

1 row updated

Select * From employee

empid	empName
011	Max mayflower
001	vetna

3. Select - Reciever data from one or more tablb

Selet empname From employee;

Output:

empname
max mayfield
vetna

4. Select with where user interview specifie record that satisfy condition.

Query:

Selet * From employee where empid = 011;

empid	empname
011	Max mayfield

5) Delite

Delite one or more rows from tablb

Delite from employee where empid = 011;

output;

1 row delited.

VEL TECH	
EX NO.	2
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	1
RECORD (5)	-
TOTAL (20)	11
SIGN WITH DATE	9/8

Result:-

Hence, the implimentation of DDL and DML commands in Relational database is done executed.

TASK:- 2.2 12/8/25.

To study and implement . DDL and DML commands in RDBMS based on 'COLLEGE SLOT MANAGEMENT SYSTEM'.

1. DDL :- Create:-

Create table slot (slot_id int primary key, Slot_type varchar (30), instructor varchar (30), join_date date, venue varchar (30));

Create table department (dept_id int primary key dept_name varchar (50), slot_id.int, foreign key (slot_id) reference 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) reference 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) reference slot (slot_id));
↳ Table created (4).

Alter:- Alter Table Student add phone varchar (15);
↳ Table created (Altered)

Truncate:- Truncate Table student;

Drop:- Drop Table student: Table Dropped

II. DML COMMAND

Insert:-

```
Insert into slot values (1,'Morning','Dr.Rani',
    '2020-06-01','Hall A');
Insert into slot values (2,'Evening','prof.Mena',
    '2019-07-01','Hall B');
Insert into Department values(101,'computer',1);
Insert into Department values(102,'Electronics',2);
Insert into course values (201,'DBMS',4,
        'Basic sql',101,'core');
Insert into course values (202,'Networks',3,
    'c programming',102,'core');
Insert into student value(301,'Arun','arun@
    gmail.com',20,2,121,1);
Insert into student value(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 :- Selet name, email from student.
where age >19;

SELECT:-

```
Selet * from student;
Selet name, student_id from student;
```

Name	stu-id
Arun	301

Select * from student;

Select name, student_id from student;

stdid	Name	email	age	academic year	dep_id	slot_id	Phone no
301	Arun	arun@gmail.com	20	2	101	123	Null
302	Divya	divya@gmail.com	19	1	102	124	NULL

Name	std_id
Arun	301
Divya	302

VEL TECH	
EX NO.	2.1
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	0
RECORD (5)	
TOTAL (20)	10
SIGN WITH DATE	

Result:-

Thus, the task to create DDL & DML command created for task entity in relational DBMS has been completed successfully.