

DDL & DML

5/8/25

TASK:-2.1

AIM:-

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

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 (std id int primary key, std name varchar(50), rollno, int, phno int);

create table employee (emp id, int, emp name 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)
std name		VARCHAR2(50)
roll no		NUMBER(38)
ph, no		NUMBER(38)

3. Alter: - Used to add, delete or modify column 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 tables

Query:-

insert into employee values (011, Eleven);
insert into employee values (001, 'Vento');

Output:-

1 rows inserted.

2) update

modifier existing data in table

Query:-

update employee set empname = 'max may flower'

where emp id = 011;

Output:-

1 row updated.

select * from employee

emp id	empname
011	max mayfield
001	vetra

3. select - Receiver data from one or more table
select empname from employee;

output:-

empname
max mayfield
vetra

4. select with where user interview specific record that satisfy condition.

query:-

select * from employee where emp id = 011;

emp id	empname
011	max mayfield

5) Select

Select one or more rows from table select from employee where emp id = 011;

output:-

1 row selected.

VEL TECH	
EX NO.	2
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	
TOTAL (20)	13
SIGN WITH DATE	

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Result:-

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

TASK: 2.2

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

2. 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, prereq 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)

c) Table created (4)

Alter :- Alter Table student add phone varchar
(15);
c) Table created (Alter)

Truncate :- Truncate Table student;

Drop :- Drop Table student: Table Dropped.

SQL DML COMMAND

INSERT:-

Insert into slot values (1, 'Morning', 'Dr. Pavi,
'2020-06-01', 'Hall A');

Insert into slot values (2, 'Evening', 'Prof. Mend,
'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, 'Dilya',
'dilya@gmail.com', 19, 1, 102, 2);

UPDATE:- update student set email =

'arun 123@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;

Name	stu-id
Arun	301

select * from student;

select name, student_id from student;

std id	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

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EX NO	21
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	
TOTAL (20)	13
SIGN WITH DATE	

Result:-

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

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