19/8/25

TASK: 3(a)

USING CLAUSES, OPERATORS AND FUNCTION IN QUERIES

Aim: To implement DML commands using clauses, operators and function in Queries.

DML commands:

1. Insert: Insert is uses to add records in relations.

Insert into department values (12,'DBMS');

Insert into department values (18,'electronics');

select * from department.

dept-id	dept-name
12	DBMS
18	electronics

2. update - set - where:-

Users to update value in particular record on relation.

update department Set dept-name = "ECE" where dept-id = 18;

dept-id	dept name
12	DBMS
18	ECE

3. Delete - From:

used to delete all records of a relation

Delete from where: used to delete particular records from relation, Delete from department where dept - id = 18;

dept - id	dept - name
18	ECE

4) Truncate: used to delete all data from the table but structure will not be deleted.

Truncate table department;

5) like (%.): Retrive the name and with and character letter using %., if (%.n) last character.

Select name from student where name like "%.";

Name: Mike

6) Between range:

Given the data of column on a particular range

Select * From student where student_id between 100 and 101;

Name	student - id	email	Academic year
Arun	101	Arun1@gmail.com	2025

7) Select * from Student where Student_Id = 103;

Name	Student-Id	email	Acadamic year
Dia	103	dia@gmail.com	2025

8) Select distint acadamic_year from Student;

Acadamic_year
2025

Result:- The Task to implement DML commands are executed Successfully

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Task: 3.(b)

AGGREGATE FUNCTIONS (MULTI ROW OPERATION)

Aim: To study and implement aggregate function count(), sum(), Avg(), MIN(), MAX() on sample student database.

procedure:

1. Create table named credits.
2. Insert Sample records.
3. Write queries using aggrerage function
4. observe and record output.

Table credits

std_id	credits
01	38
02	46
03	52

Commands:-

1) count total number of rows:

Select count(*) from credits;

count(*)
3

2) heighest credits obtained by student;

select MAX(credits) from credits;

MAX(credits

MAX (credits) return Maximum value in modules column

3) Find Average credits of Student

Select Avg (credits) from credits ;

AVG (credits)
45.333

Avg (credits) calculation mean value of all credits.

4) Find minimum credits among students

Select min (credits) among students ;

min (credits)
38

min (marks) find the lowest credits.

5) Find total credits obtained By students

Select Sum (credits) from credits ;

Sum (credits)
136

Sum (credits) add up all values in column credits.

VEL TECH	
EX NO.	3
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	14
TOTAL (20)	18
SIGN WITH DATE	8/9

Result: Thus, SQL commands executed successfully based on Student database management System