

TASK: 3(a)

19/8/25

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 used 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 :-

used 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 = 12;

dept-id	dept-name
12	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

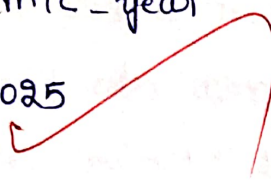
7) select * from student where student_id = 103;

Name	student_id	email	Academic_year
Dia	103	dia@gmail.com	2025

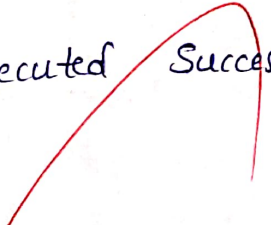
8) select distinct academic_year from student;

Academic_year

2025



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



Task: 3.6

26/3/25

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 aggregate 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) Highest credits obtained by Student;

select MAX (credits) from credits;

MAX (credits)

MAX (credits) return Maximum value in marks 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)	28
SIGN WITH DATA	8/9

Result: Thus, SQL commands executed successfully based on student database management system.