TASK = 3.1 Oate 19/08/25

OML commands using clauses |

operations and functions in

Queries.

Aim: To Implement OML commants using clauses, Operators and functions in Quen's.

Dotta manipulation Language CDML):-

The DML is used to retrive, insert and modify database information. These commands will be used by all database in user during the rolline operation of the database.

DML commands:

1. Insert into: This is used to add records into relations.

Syntan: JNSERT JNTD table-name (col1, col2,...)
values (val 1, val 2,...);

Enample:
Sal [Insext into customer voilues & 50; John Doe',

123.456 7890, New York, 100;

son insert into customer values à 'smith', 1987-654-321', 'chicago', 200.00)

SAL insect into customer values 3, 'knish', 'sst - 123 - 456', 'America', 50:00).

After inserting:

Cust. JD	Cust - Name	Phone-No	city -	Amount-Paid
1.	John Doi	123-456-789	NEW YOR	100.00
2.	Smith	987 - 654 - 321	chi cago	200.00
3.	ichish	115-123-456	Americo	50.00

2. Update - Set - Where

This is used to update the Constent of a

accord in a relation.

Syntan: SQL > update table-name

SET Column = value

WHERE CONdition;

Enample:-

SQL > updated customes

SET cust-phone No= '9998887776'.

WHERE CUST - JD = 7;

After updating:

cust-JD	cust-Name	Phone-No	city	famount - Paid.
1.	John Doc	9998887776	Newyork	100.00
2.	Smith	987654321	chicago	2-00,00
3.	Krish	533123456	-America	50.00

3. Delete from:

This is used to delete all the records of a relation but it will retain the structure of that relation.

a) Delete-from: This is used to delete all the records

Syntan: SQL > Delete from table name; Enample: SQL > Delete from customes.

19the deleting:
Cust-JD Cust-Name phone-No city -Amount-Paidle

b) Delete-from_where: This is used to delete or records elect of relation.

Syntan: Sal > Delete from relation-name where condition;

Enample: SQL > Delete from customes where cust-JD=2;

After Deleting:

Cust-JD cust-Name Phone-No city Amount-Paid.

I John Doc 9998887776 Nuwyork 100.00

Krish 555123456 Americal 50.00

5. Truncate:

This command will remove the data permanently. But structure will not be removed.

Systan: Truncate Table 2 table Name>

Example: Truncate Table Customer.

cust-JD cust-Name Phone-No city -Amount-Paid.

Distinct:

Syntan: School Distinct cust-city.
From customia;

butput: Cust-city

newyork

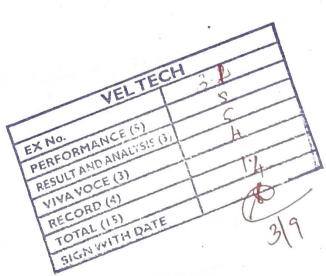
chicago

Amusica

Union :-

Select cust-Name As Name From customes Union Select mobile-Name As Name from mobile;

Name Output: John Alice Ravi Meura



Hesult: The Implementation of DML commands using clauses, operators and functions in queries

executed succesfully.

TASK:3.2

FUNCTIONS. MGGREGATE

Date: 26-08-25

Aim: To study and Implement aggregate functions (count (), Sum (), Aug(), Min(), Max() on a Sample mobile phone data base.

Procedure:

- 1. create a table named mobile phone
- 2. Insert Sampre records.
- write queries using aggregate functions
- 4. observe and record output.

Commands with Emplanaction.

1) Count the total number of mobile phones. SELECT Count (*) As Total-mobile phones from mobile phone;

OUTPUT: - Total - mobile phones: 3

2) Find the highest purchase obtained by a mobile phone

SELECT MOX (purchase) As highest-Purchase FROM Mobile phone;

Dutput: - Highest - purchase: 30,000

3) Find the average amount of mobile phone SELECT -AYG (amount) As average - amount FROM Mobile phone;

Output: - Average - amount: 15000

4) Find Minimum purchase among mobile phone in the brand.

SELECT MIN (Purchause) As Min-Brand purchause; from Mobile phone.

WHERE Mobile phone = Redmi;

5) Find the total amount in the Mobile phone in each category brand.

SELECT Brand, Sum Camount) as total - Mobile phone amount from Mobile phone by Brand.

Output:

Brand Total amount

Realme 30,000

Redmi 15,000

VIVO 25,000

6) Find the average amount per broand brokered by average decending

SELECT Brand, any camount) as my, amount.

FROM Mobile phones group by brands ordered by any amount dec;

out put:

Brand Arg-amount Vivo 25,000

Realme 30,000.

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Hesult: Thus, the implementation of Aggregate
functions executed successfully.