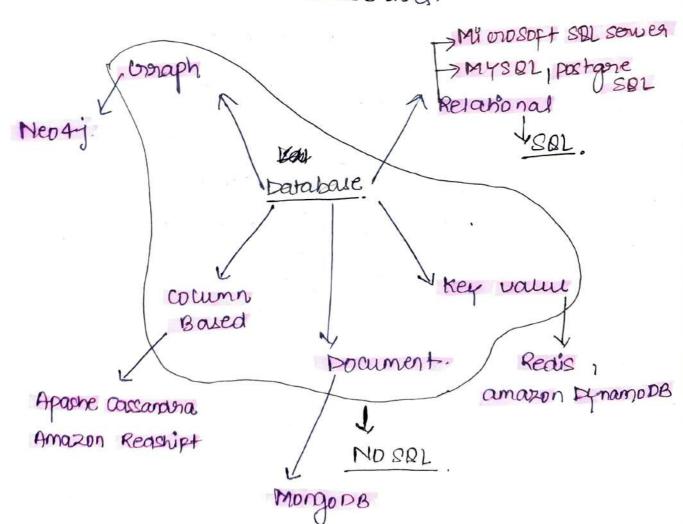
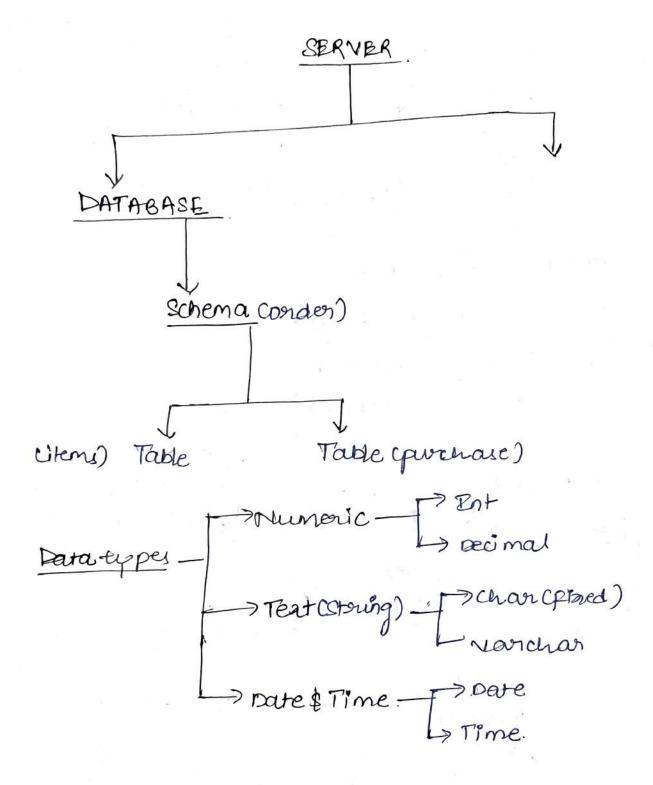


- · batabase stories para
- · SEL speak to patabase
- · DBMs Manages Database
- · Server where database lives.





TYPES OF DOL COmmands

· Data Depination Language (DDL)

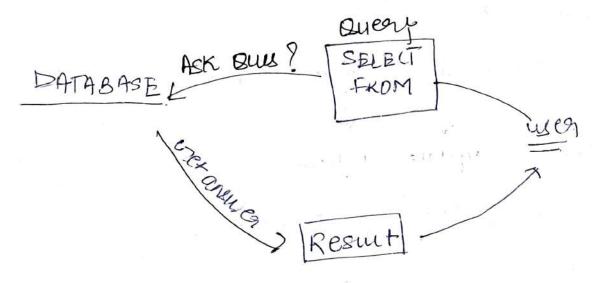
Coreate Actor Donop

* Data Mani pulation Language CDML)

Brownt update Delete.

· Data Overy language :- SELECT

Ask your besta



SOL Query

SBLECT &

· Chose Columns

· SELECT A CALL)

Retoives All Columns (Everything)

· Forom

Tells 201 where to find your Data.

for comment use.

-- comment ar

· SELECT FEW COLUMN

Pick only the columns you neadd instead to all.

SELECT

COL1,

COL2 F

O FROM Table.

Erample.

SELECT

name,

country -> No comm after

FROM customer. last column.

- Eiller your Data.

Where: - Pilter your based on a condition.

- 3 SELECT &
 - 1 FROM Table
 - (3) WHERE CONDUCTION.

Estample.

(3) SELECT

name

country

- 1 PROM Table
- where condition.

Example. Score not equal to D

SELECT &

FROM austomers

WHERE Score! ZD/ Condition.

customer from overnany SELECTE

PROM customer

WHERE Country z' bronmany

condition.

Storing = should be in single quotes.

· SQ Query - order by

I sont your Data.

ASC DESC

3 SELECT *

1 FROM Table.

@ ORDER BY SLOSSE DESC Jepannt order is

ASC

Example. Soort the Result highest score first

SELECTA

FROM customers

ORDER BY SLAME DESC

· Nested conder By)

beiænding.

SELECT &

FROM customers

ORDER BY Countary Acc, score

DESC

201 suery - brown by

-aggregate your outa

combines Raws with sames values.

Aggregates a column by another column.

Total sione 34 country

syntan

(3) SBLECT / Categoory.

Countary,

SUM (Score) — aggregation.

(1) FROM Table

& Group By country

Erio-find total Score of each country.

SELECT. for count name.

Country, John Country,

SUMCScore) As Total-score

FROM Country.

Connoup 24 country.

Rule: All columns in the SELECT must either aggregated or included in Cronoup 34.

28L QUERY - HAVENG

i fiver aggregate seva. aggregation.

can be used only with crowp By

(4) SELECT country, SUM CSWOTE)

- FROM Table
- D GROUP BY country
- Having gondition, Sum (sone) 7800

aggnegation.

- (5) SELECT country 1 SUM (SLOPE)
 - 1 PROM Table

Before aggregation.

- WHERE Score 7400
 - 3 GROUP 34 country
 - 4 HAVING SUM(Swee) 7800

En Find any score pour each country considering only comes comes with score not equal to 0 and oretron only those countries with any (score) > 430.

SELECT

COUNTRY;

AVOICSIONE) AS aug-Score

PROM CUSTOMEN

WHERE Score 2 0

URDUP BY Country

HAVING AUG (Score) > 430.

- · S&L QUOY DISTINCT.

 Remove auplicates

 Repeated values
 - 3 SELECT DISTINCT country 1 From Pable

Esample: :- Return unique van list ex all countries.

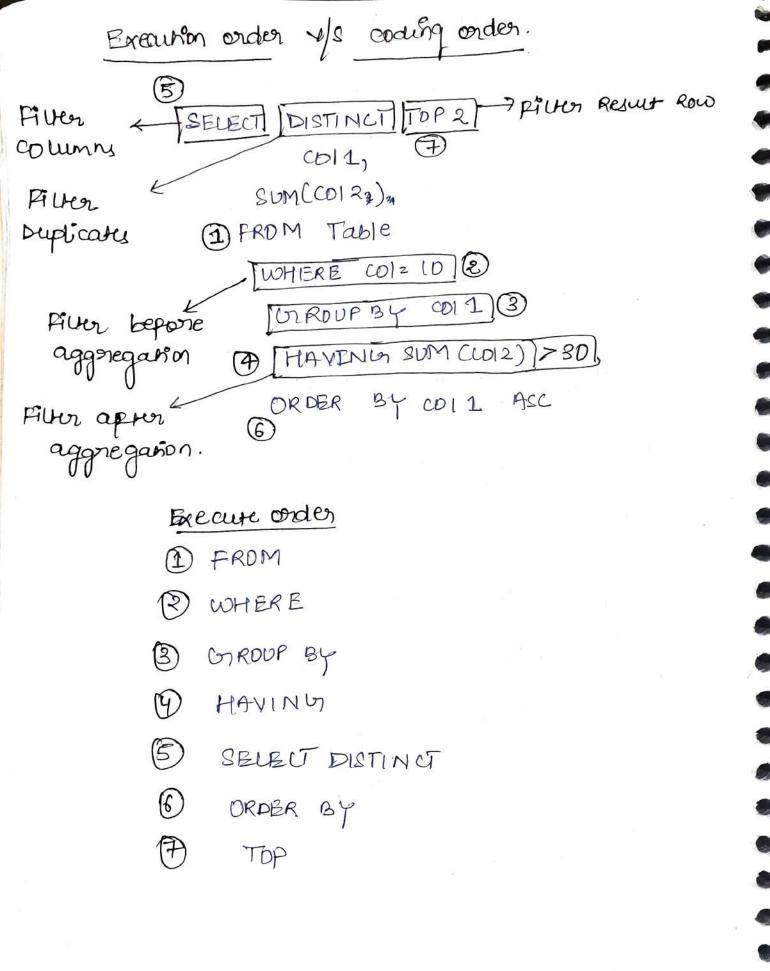
> SELECT DISTINCT Country FROM customery.

o Top - SOL Query

Restrict the Number of items Returned.

SELEUT TOP3

O FROM Table



Data Défination language CDDL)

CREATE

communication, person-name, both date and phone.

CREATE TABLE PERSONS (
id NOT NULL,

PERSON_name VARCHARCSD) NOT NULL,

bisith_date DATE,

Phone VARCHARCIS) NOT NULL,

CONSTRAINT PK-person PREMARY KEY CIA)

ALTER

Add new column called Email to the persons table.

ALTER TABLE persons ADD email VARCHAR(SD) NOT NOLL

ALTER TABLE persons OROP COLUMN Phone. # DROP

Remove Table

parabase.

DROP TABLE persons,
it will delet all Table with Record.

Dara Manipulation Language

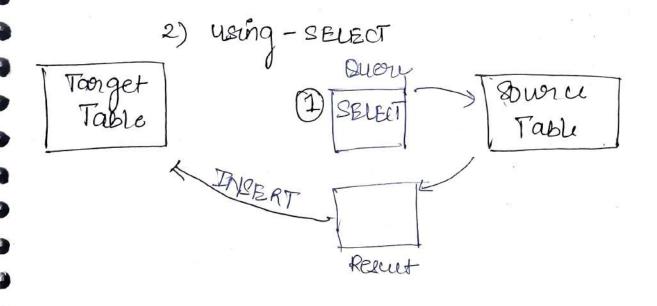
INSERT

1) PASERT: Manual Entry Walley)
Syntan.

INSERT INTO table_name(co11, co12, col3, ---)
VALUES Cvanul, value 2, value 3)

Rule: Matau the No. of columns and Values. we can do Much ple Ensents.

· Const-raint must be pulpilled.



PNOERT USINON SELECT

Bris- Copy data prom! customers) table

with 'persons' insert data in persons table

THSERT ENTO [persons] Cid, person-name,

bisity_date, phone)

SELECT
id,

First-name,

NULL,

'unknown'

FROM [austomers] -> prom customers

Table.

#UPDATE

TABLE POSERT

UPDATE

MODIFY

update syntan

SET COIZ = Value 2,

COIZ = Value 2,

WHEREKCONDULUNZ

[Note: Always use whose to avoid updaring an Rows unintentionally.].

Nou :- un known/ No value

Ba:- change the customer score prom 6 to.

QET Score 20 -> do Score o WHERE id 26 where id is 6.

Ex: - Update Country and Score
UPDATE customers

SETTSIONE 2 D Country 2 'UK'

we update two WHERE id 210 column where id is 10

& appareran

En: - updat all customer with NULL Slove by serving their slove to D.

UPDATE CULTOMERY

SET [Score 20] > Score 0 Kondo

WHERE Score Is NULL,

Jahan Jahan

Value 2 NULL hai

DELETE

TABLE UPDATE MODIFY

DELETE

Delete Syntag

DELETE PROM table-name
WHERE KCONDITION>

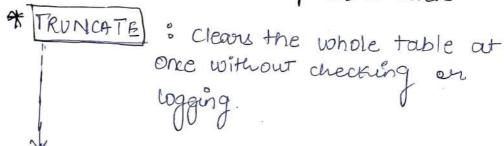
NOM: Always use WHERE to avoid DELETING all rows unintentionally.

Eris- Delete all cus tomers with an ID
governor than 5.

DELETE FROM Customes)—<u>Table name</u>
WHERE id > 5

Condition

En: Delire au dara FROM persons Table.



TRUNCATE TABLE person.