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Commands:-O Data Defination Larg (DDL):- (cadter) - ouare deals wid schema, deals wid creation, of structure eg. courier box - alter , drop

2 Data Manipulation lang (DML): - (sudi)

-> Solver eg save student info -> Insurt - Update

3 Data Control Larg (DCL)

f, Grand L> Revoke

L- Del

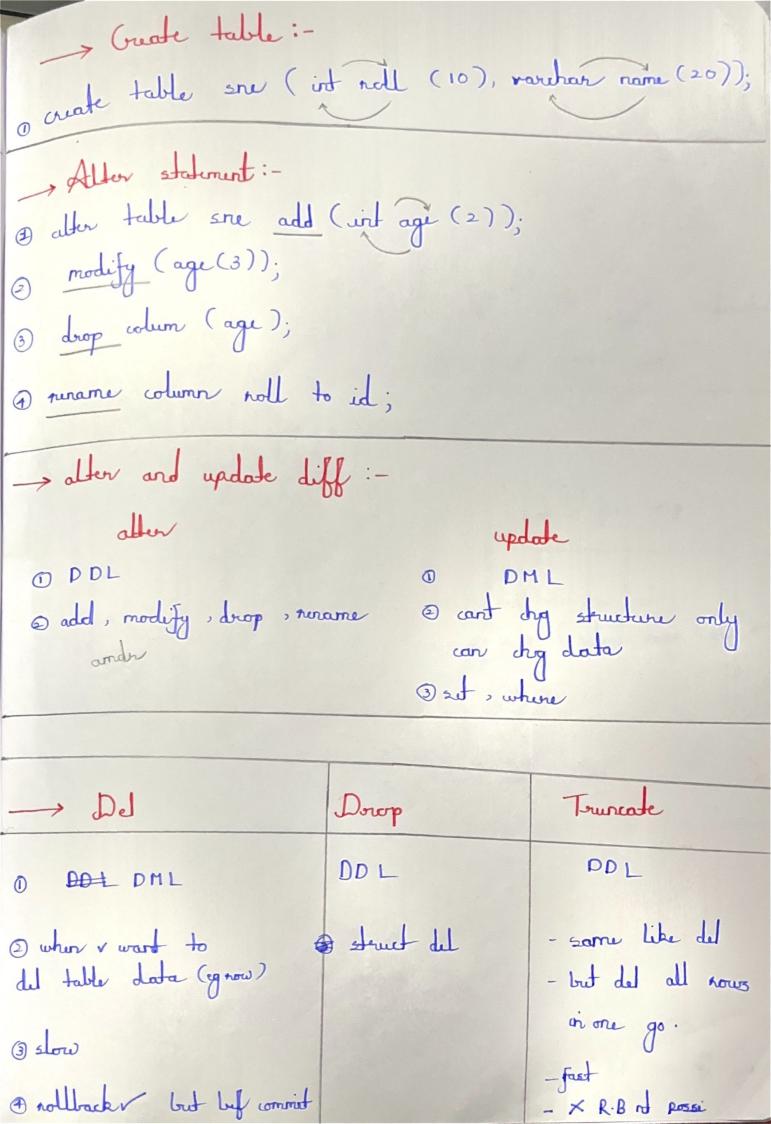
> truncate

L> Riname

1 Transation Control Larg: - (TCL)

- Commit - Rollback -> Savepoint

\* Contraints: - To insert data there & some rules



tenegree constraints:-
1 urique: - duplicate val shldrit exist is some col
@ not null: - cant be empty
3 primary: - 1+2
1) huck: - adding constraints. eg age > 18
Dorugin: - reference, refers to P.K in another table maintain referential integrity. Default: - by default it takes die val if v don't insert
highest
a let mar (sa) fine emp;
(2) salut name fem emp where sal = (salut * from emp);
second highest wither der will display all dan max sal  1 select max (sal) from emp where sol <> (select max (sal)
from emp);
2) select emp name fromom emp where sal = (1)
-> dept name and no. of emp working in it
Select dept, court (*) from emp group by dept;
if y want to so limitly y
if v want to use durutly v can only write who there of grap by

- dept name where no of emp less dan 2 soled dept from emp group by dept having court(\*) <2; - highest sal dept wise is name of emp taking dot sal select emp name from emp where sal IN (select max (sal) from emp group by dept); for comparision if v hw more dans one val v dont use equal to use IN Jind emp name working on a project. (P.K, F.K)

In /nt is

select or man name from emp where eid in (select distinct end from project) common in both table emp who is working on at least one proj skip

-> max, min, count, sum, curg -> Diff nested, correlated, joins Outert Inner dept); 2 correlated: - top down approach bahar water petite now whater ander water saure now se compare koverage 3 join: - cross product + cond -> N+h highest Salary:-- Odisplay last name of emp 'A' as second char - A.1. - off dis any ro. chan eg: --- where last name like 'A: /. '; suf one how bef a 2) command to remove red from SQL database drop table

Char functions
1 lower = select lower (name ) emp;
@ upper = upper (rame);
(initap = initap (name);
→ Diff DBMS and RDBMS:-
1) DBM5:- software, hw v maonage database in deff form.  V can store data base in form of graph, table  and doc, file
@ RDB M5: - storing dota in rulational or table form eg: maggl, 59 surver, oracle.
-> Diff group by and order by:-
Ogroup by: - HR eg. so to group and dur apply aggregate func © order by: - sort data in ase or dose
Types of Join:-  1 cross, viner, left, night, full
-> 59L vo MySqL:- Lindational database ron-relational database

Ly ANS I sld special type stored procedure dat runs automatically when eg v made 3/4 table, I word to enter one table n backi mein bhi automatically enter ho. -> ACID propudies O atomicity: either all of chigs of performed or none of them.

O consistercy: - dota is in consistent state when transaction starts and ends 3 Isolation: - Transs dat nun concurrently appear to be sirialized Durability: - terans successfully comp der it shed be permanent 1) either all or none = if transaction fail before commit vivill noll back eg. payton transaction 2) Buf trans start and and off end sum of money shed be same. A = 200 B = 300Bef = A+B = 500 eg. A -> B le bocal memos den streft to database After = A+B = 500 R(A) = 100 A = A - 100 M (\$ )=100 R (B) = 300 B=8+100 W(B)-400