CREATE TABLE table_name (

(size)

colown-name of datatype contraint,

colowmn_name of use of the contraint of the colown of the contraint of the colown of

dalatype > (number, text, dale)

constraint > Jo date store torna chatte housee kains charte ya khi

≥ eg:-

CREATE TABLE Studen+ (

Student_id NUMBER PRIMARY KEY,

age NUMBER NOT NULL,

name VARCHARZ (30)

arunning it! - Caisa kuch basically banega)

student -id	age	name
71 3/414 9	4,	1-0

CQL Pata Types

Palatype Description Example

more of the

a) NUMBER(P)

value C+1-)

NUMBER (5) 4 upto 5 digit

(b) VARCHAR2 (n) Variable-length UR VARCHAR2 (30)

/ string in mon any oggitated

Spe on strong prior prop otol or CHAR (10) no (C) CHAR(n) fixed-length String

Pale valves

(d) DATE

Stolent I DOMPER TRIMPLY FEY.

PLOAT (5)

2025-10-29

e) FLOAT Floaking-Point

COME MARCHERZ(30) Difference 6/w CHAR & VARCHAZ

is that if both one declared we a

size say 10. but only 0.8 is used then 2 spaces one wasted in CHAR but

HARCHAR SACISOR TANDARY

Type of CQL commands

- (i) DDL Coala refination Language)

 used to create, malter, delete,

 sename
- (i) DML (Pala Manipulation Language)

 Used to insert, modify ou de tete actual

 data in tables
- (Til) DQL (Pada query Langauge)

 osed to feten info from one on more

 tables
- (10) DCT (DOTO CONMO) ranknade)

 Aseq to dine on Hermit , a (622 to noto12
- (4) total transcation control language)

 used to control changes made by DML

command

- 1) CREATE TABLE discussed.
- 2) SELECT & FROM table name :- table to data dekne ke lige grande
- 3) INSERT INTO Rable_namp :- Pala inspit karne lee liye Ccolname 1, colname 2) e Alboni, Helen Card asy VALUES (coll-vall, col2 -vals) (O11-va12, col2-vol2)
 - To delete DELETE FROM erry table_name a entry WHERE Condition from a ta bl P

EAUT 1000 0607) 100 (11)

& ACLATORES

PRODUCE OF

KEYS

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Parimary Key

It is coloumn on set of coloum that uniquely identifies each now (a unique id).

There is only (PK & it should be unique and can never be not).

Foriengn Key

A coloumn in a table that stefests to paimary key in a of another table.

I table can multiple FK, It can have

doplicate & noll valors

CONSTRAINTS

estains means red reles en date in table.

- (a) NOT NULL !- Coloums oul NOT NULL Cont have
 - (b) UNIQUE :- all values in unic coloumn most
 - (C) PRIMARY KEY: more colown unique.

(d) FORELNGN KEY: parevent actions that would desway links blue tout tables. In the land of the same of the sam ex' CREATE TABLE temple COST-ID NUMBER, PORETION KEY CLUST -Id) & references customer (id) (e) DEFAULT : set the defaut value of de sentate torcolownos o m moder A edony TOUT NUMBER DEFAULT 25060) C Har employee ka calary 25000 nee stanegal agar koch alag se enkr na karo toh. 2141 A 777240) (f) CHECK! 'to limit value allowed and the Hours Colown CONSTRAINT & CHECK (age>=18 AND city z " Delhi") (1)

Mary Control

Total State of the last

1

-

OR

age NUMBER(2) CHECK Cage 7=18)

SELECT

3

· select & show me this info

(B) · Bosic syntax: (specific colours)

SELECT coloum 1, coloumz ...

FROM table_name;
. To get everything from table:-

SELECT & FROM toble-namp

. To get only non-duplicate from a rolown

SELECT DISTINCT colo-name FROM table-name

TO define some condition, used w/ CELETT

- · SELECT coll, col2 From table-hame

 WHERE condition
- on the condition we use different operator to define the condition
 - (1) Armematic + +, -, 2, 1, 9/0
 - (ii) comparison : = ,!=, >, <=, >, >=
 (ii) rogilal :- AND, OR, NOT, IN, BETWEEN, ALL

BRURSER BREFATOR 5 10

FIWIL

to reduce so of suose

CIN THE ROMA WORKER & STORT

THE SECOND

-

eg) SELECT & From swdent LIMIT 33

eg) SELECT coll, col 2 FROM table_name

ORDER BY straitful non vino top of

To sort in ascending order or deecending (DESC)

eg) SELECT & FROM Student.

ORDER BY City ASC;

eg) SELECT & FROM Student

ORDER' BY marks DESC

LIMIT 3:

(81085 201 3 SCONEZ)

the second of th

goroup rows that have same value into summary rows.

used with prochous (MAYE), MINC), AUGC), COUNT())

ex! - Count no of student in each city

SELECT CAME city, count (name)

FROM STUDENT GROUP BY City

HAUING CLAUSE

similar to whese i.e applies condition on swork

Lie von Zhilalle Ti

generally used when applying condition ofter

eg:- no. of shident in each city where max marks

SELECT CASTON (OUN+(namp) City
FROM student
GLREGE MAY (Marks)> 90;
HMJING

General order of commands

SELECT of AT Delate and Deta let Zweet franch

FROM

WHERE

COROUS BY MINE STAND METERS WHEN I SHOW I SHOW

HAUING

NOO I MILL TO CO MOOD LYS ORBER BY

UPPATE

UPDATE table name

SET coll= vals , col2 = val2

WHERE conditioning of grane or relimit

SET grade = (BO)

WHERE grade 2 'A'

(duca), une. " Reis ALID 1.2777 25

LIVE BYOMAI

A King AM ACOUNTS IN TOOLS WORL

LAUING CLAUSE.

17 1603.

OPPATE Sudent 1991 NOW JISKO A

hai wo o hojaega

The name of the form

Rich (amer) in the mother total

Inter MOST

ALTER

- add a new (down

 TABLE

 ALTER LOWER AND CONSTRAIN

 ADD Colname Lalarype constrain
 - Rename a table coloums

 ALTE TABLE table _name

 RENAME COLUMN old-name TO new-name
 - E) Change dobatype | size

 ALTER TABLE Hable_hame

 MODIFY (101-name, new_dobatype);

TRUNCATE

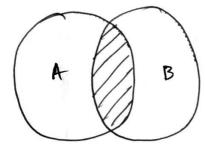
ココフフフフ

used to oremore all mons from a faille

TRUNCATE TABLE table-name.

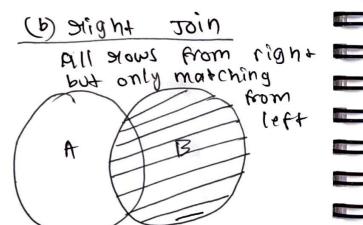
N1 OT

- · Join is used to combine shows from other on more table based on related coloumn, like emp-id in salary table a attendendance table.
- · Fosteign key usage not compulsory
- o types of Join
 - (i) Inner Join s: Snows Jows common in both A&B table.



(ii) over Join

All some from left but only matching ones from right



Marian Marian

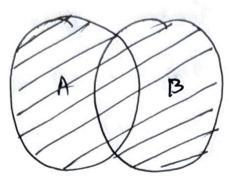
A Brown

A Australia

-

All Briston

(c) Full Join: All your from Both



3

If we a have tables emp & salary leible.

2- emp-table has empid 4 emp-name salary

Inner Join: Ask emp id present in both tables

Left Join: All emp table rows even though not

present in salary table; there salary

will shown NULL them

Right Din :- All emt salary table grows even
in emp on salary but onot in
emp-table will have name NULL

Full Join - All shows from born table
Emply Spaces filled WI NULL

SELF JOIN

- · A table that is join w/ itself.
- · We treat one copy as table I (A) & other table (B) even though both are same.
- · Use when you want to find relationship blw rows of same table.
- eg:- emp-id emp-name manager-id

 Alice

 NULL

 Bob

 1
 - 3 Charlie
- we wont to show each employee name wim

David

BELECT a. emp-name, Actorphysia b. emp-name As Manager

FROM EMPROYEE as a

JOIN EMPLOYEE as b

ON a. id empid = b. manager.id

NOIND

Used to combine 2 of more select salement into single execult.

+cd (apis yd apis) smoolos sanidmos NIOT UNION combine stows (top to bottom)

	emp-A			emp-Bo		
eg!	id	name		, \		
	194011	Mr Alico	haring gara	10	Lame David	7
	112	Bob	5 5 7 A	4		
	S	S Or who		5	€/6	
	Charlie	Chooline	1. 7	2	Bop	

SELECT id, name

FROM emp-A

UNION MARCHAN MOINS

SELECT id, name

_ 'id	nane
(Micp
2	Bop
3	(harlip o
4	David
5	PVe

Dublicates alb.

en emoved.

PROM emp_B Cit duplicales

needed ase UNION ALL) four UNION

both Earlie relected must equal coloums table

same date type four a scheet coloums

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} }

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