=> SQL => {

=> CRUD :- operation {

=> C -> create -> insert =>

R -> select -> {where} -> filter

U -> update

Delete.

=> DDL => Creating table, DB -> Create

Alter -> structuring DB

=> Drop -> Drop table, DB

Truncate ->

{DML -> insert, update, delete, ...

=> Truncate vs Delete

↓

Delete containt + table (Data)

=> roll back is not possible

Delete content of table

=> ROLL back is possible

=> commit ; => will make permanent effect on task

Insert ---- ;
commit

Delete from employee; => whatever is deleted can be undone
of rollback;

-> Delete from employee; } truncate from employee;
commit; } auto-commit => D
set

rollback; X

{ Hyder Abbas
Nitin M
Navin Reddy }
{ palleda vijaykumar }

=> => where =>

=> Primary key, Unique key, Foreign key

=> RDBMS => Multiple tables ;-

One individual info => Multiple Tables }

primary key & foreign key

=> In a table we can have column with foreign key

Foriegn key in one table will be primary key in another table.

=> Studentinfo

Id PK	name	Age	city	FK course
1	—	—	—	1
2	—	—	—	1
3	—	—	—	4
4	—	—	—	2
5	—	—	—	2

PK Course

cid	cname
1	Java
2	SQL
3	JS
4	Python

=> Select column from s1 innerjoin sc on s1.scs = sc.scrid innerjoin scn on s1.scity = scn.scid;

s1

sid	sname	sage	scity	scs
1	—	17	1	1
2	—	17	1	1
3	—	—	2	3
4	—	—	3	3
5	—	—	2	1
6	—		1	2

sc

scrid	crname
1	Java
2	SQL
3	Python
4	JS

scn

scid	scityname
1	BLR
2	mysore
3	pune
4	hyd
5	—

Relational DBMS

Primary key => ✓
- => unique column
- => no null value
- => one in a table
- => unique value

Unique key =>
- => unique value
- => null value allowed
- => multiple column

Foreign key => multiple column =>
- => same value
- => no null
- => Foreign in one table is primary key in another table.

=> Basic functions in sql :-

=> String

Numeric

Agregate

=> AND , OR

& Between & NOT Between , IN

Select columnname, --- from tablename where age = 18;

& age > 20 Between age 25 & age = 20;

=> 90% function same in all RDBMS &

=>

=> & Order by & DISTINCT &

=> Select * or columnname from table_name

Order by columnname ASC | DSC

Select * from Employee order by fstname Asc ; (age, salary, name)

DSC

Joins -> & Multiple table &

=> INNER JOIN

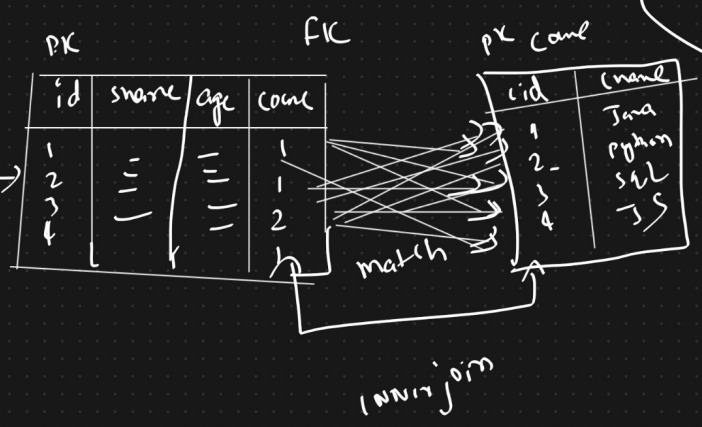
LEFT_JOIN

RIGHT_JOIN

CROSS JOIN

6 × 4 = 24

=>



=> Select columns, ... from table1 inner join table2
on table.FK = table2.P.K.

inner join -> matching Data

left join -> matching record + entire Data left table

right join -> matching record + all Data right table

=> select colums from table1 inner join table2

on table.colm = tab2.coln inner join table3

on t1.colm = tab3.colmn

=>