Joins:

It Inner John 76 self john
26 Keft John
36 Right John
Ab Full John
56 Matural John
66 Cross John

-> consider we have two tables.

1	table 1 2. table 2		
۹.	1 1	3	6
3	1 31	3	6
2	1 2	1 8	6
2.	2 2	2	6
1	3 4	1	G
1	3 Nall	7	6
1/	3	· Piatrasia	(3027)
Jnne	/	Right join	

no records

Inner	Left	Right	Full	Matural	Cross
Join	Join	Join	John	Join	
8	8+3=11	8+2=10	8+3+2 =13	8 (it exist com (05) column 42 (column not exist in other table) 42

Inner Join: It will written record matches with both tables only.

Left Join: [Inner join] + [fetch any additional records in left table but not in right table].

Right Join: [Inner join] + [fetch any additional records in right table but not in left table]

of paratic ter of the view of his view of materials in Full Join! - Inner Join to record from left table not present in right table + fetch additional record from right take paels des in not present in left table. Cross John: Every record form made table 1 is matched or not matches but it withren the all record colich is multiples. I each now is matches to = 6 secord t1 = 7 records 1 with t2:6 records (The so control then for, of record into then 250/VIO1 25 (Fr7X6 Microsoft Cesuersal Matural Joins: [not support MISSE] but support by other support. > we are not using on do join tables -> Instead it will try to matches with the common column names. Result Inner join (if the same column exist in the both fable) months. -) cross join (if the same column not exist in both tables) -> If you change one of column from to like as to

then (after table +1 rename column id to id-news, 94 written 12 record (cross goin)

Select * from table +1 Matural join tables to;

ex: If a non-key column is partially dependent candidate key (subset of columns forming candidate key) theresplit thum supre in the test office of into seperate tables.

3. every table should have premary key & relationship b/o tables should be formed using foreign key!

4. if don't have pk this weato

cardidate key! for bluone on just mogloculos set of columns which uniquely identify a record A table can have multiple keys because there can be multiple set of columns which uniquely identy a record frow in a table. toli.

Non-key columns:

-> columns which are not part of candidate key (97) primary bey.

partial dependency:

- -> If candidate key is a combination of 2 is moste column Thun every non-key column C column which are not port of condidate key) should be fully dependent on all the columns.
- -> If there ?s any non-key column which depends only on one of the cardidate key columns then this results in partial dependency.

3. 3NF1-

- -> It must in 2NF
- > Avoid Transfittive dependencies. (dataset) Split Clum

Transitive dependencies)-

- -) lets you have table 7 which has 3 columns namely A, B&C.
- > If A ?s functional dependent on B and B ?s functionally dependent on C then we can say that A is functionally dependent on C.

Natural Join: - why we should not use NJ								
Conditionubased on which column Join would happen								
Hotels 15, Clecke 1 by The Sylin 191 191 197 1 1910								
-> That can actually be a major, problem when using								
notural join.								
Tone Ton, wu								
> result looks like same as Inner John when the Dolumns that are Sharing same name blow 2 table								
otherwise it will try to do cross join.								
Through poster								
Self Join I- (mitendimon o 28 per dubitions pr								
-> When join a table to itself								
- you need match one record from my table with								
Some other record of that I same table to find								
Some other record of that same table to find								
are rower Top we don't have separate keywork								
Jose se join we dont have separate keyword								
- Jon 39 Jon / ,								
<u>Ex1.</u>								
10.8 8								
member ?d name age parent id								
<u>→</u> +1								
F2 card 10 F5								
Michael 12 FS 30 A Sano, 1								
Fy Johnson 36								
A FS Maryan up for Francis								
The state of the transfer to the state of th								

Juery:

problem Statement

L> Write a guery to fetch the child name and their age corresponding to their parent name & parent-id.

Select child.name as child-name, child-age as child-age parent, name = parent.ram parent.age = parent-age = parent-age = parent-age = parent-age = parent-age = parent-id = parent.member-id;

outputs.

•			
child name	child-age	parent name	parient age
David	4	Manyam	20
Carol	(0	Maryam	40
Michael	12	Maryam	40
Masyam	Цo	Stewart	70
Rohan	6	Johnson	36
Asha	8	-Johnson	36

Suppose if you use left join than result would be records of child name even they don't have parient name. It showing null in the parient name.