Q. 1.

Observation:

11 1.) in 13#1 = Inecords
TB#2 = 6 11

Table 1	Table 2	
l	1	
1	1	
1	2	
2	2	
3	4	
3	mull	
3		

Inner Join	Left Join	Right	full	Natural	CROSS
8	8+3	8+2	8+3+		6XX = 42.
	=11	=10	2=13		= 42.

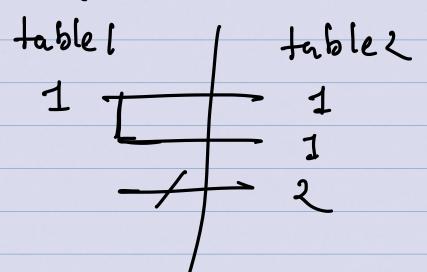
Inner Join => will always fetch Matching Records

Meach value will trey to

match with the other records.

Table 1	Table 2		no of records
l	71	1	2
1	<b>→</b>	1	
1	2	0	
2	2	0	
3	4	O	
3	mell	6	
3		0	

1/ the 1st record will only match with 2 records.



// So the number of records returned will be 2-

Table 1	Table 2	# of records Inner
l	1	2
1	1	2
1	2	2
2	2	2
3	4	0
3	mell	O
3		

// Left table 1 Value 3' does not match with any records.

Inner Join =7 8

SELECT \*
FROM table 1 +1
JOIN table 2 +2 on

h.id = t2.id;

## LEFT JOIN

I first do inner Join then fetch any additional record from left table

which is not present in reight table.

left Join: Inner Join + tetch any additions
records from left table which is not
present in right table.

	Table 1	Table 2	left Join
2	l	1	8+3 = 11
2	1	1	
2	1	2	
2	2	2	
l	3	4	
1	3	null	
1	3		

1/8 (trom the matching records)
3 (additional records which
is not present in right table)

=> 8+3 = 11·

SELECT \*

FROM table 1 as to

leff Join table2 as to on trid=trid;

Right Join

Right Join = Inner Join + additional records trom right table which is not present in left table.

Table 1	Table 2	Right Join
	1	
1	1	8+2=10
1	2	
2	2	
3	4	
3	mill	
3		

SELECT \*
FROM table 1 as to
Right Join table 2 as to on trid = toid;

## (Full Join

full doin = Inner doint additional records from left table which is not present in right table + additional records

trom right table which is not present
in left table.

## CROSS JOIN.

Table 1	Table 2	CRoss Join
l	1	6
1	1	6
1	2	6 =7 42
2	2	G
3	4	6
3	mill	6
3		

Caritesian Product.

7×6= 42.

## Natural Join

// it does not have any clause

	SELECT	*	
	FROM to	ablel as t	
	Natural	Join table	2 as t2 j
_[/	if sar	ne column	name exists
	=>	inner Join	= 8 -
//	·	1	name does
[/	it gan	ne column	name Cloes
~	Jásza Jan	02.2.2	in = 42.
	WT WKISI	choss w	
	1:2.		
			table 3 = Inecords
			table 4 = 5 records
	table 3	table 4	
	1	1	
	1	1	
	1	1	
	1	2	
	7	null	
	null		

N .		1.	_~
IVo	04	Keconds	<u>=/_</u>

InnereJoin	Left Join	Right	Full	Natural	CRoss
15	15+2 = 17	15+2	15+2+2	15	35.
	=17	= t\Z	=19		

MOTEO table 3 has 2 Null value table 4 n 1 NULL n

but we can't match them

SQL does not match Wall Values.