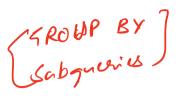
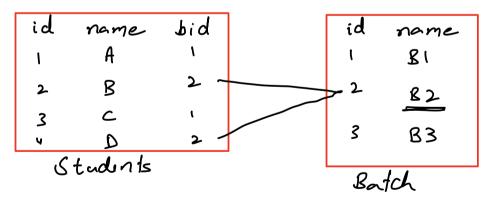
1. Good Evening 2. Let us start at 9:07pm





Need - Getting information from multiple tables.



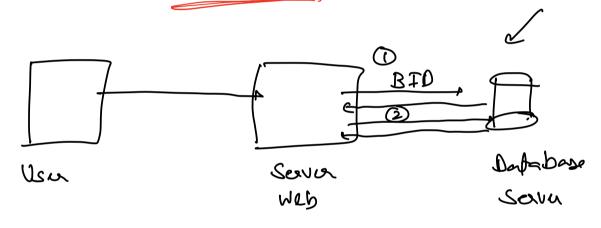
\$ 9ct information of all students belonging to batch named B2.

Soln 1 - 1. Get Bid wing batch name.

DECLARE ABID INI; SELECT SRID= SEET it FROM Batches WELERE rame = 1821

Get all students belonging to relevant bid

> SELECT \$ FROM Students where bid = DIDD:



CPU >> Hard >> Network
RAM Disk

Soln 2 Network

Soln 2 Network

Soln 2 Network

	id	name	bname
	1	A	Aug 2022 Inte
	2	8	Ay 2022 9-19A
_	3	\ C	An 2022 Intu
(<u> </u>		A 2022 3 tor
	ی	2table ti	O

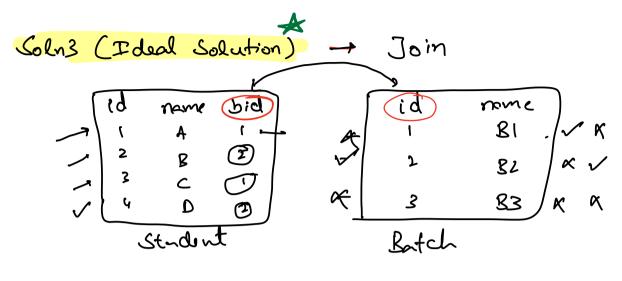
Performance

Higher

probability

af

inconsistent data



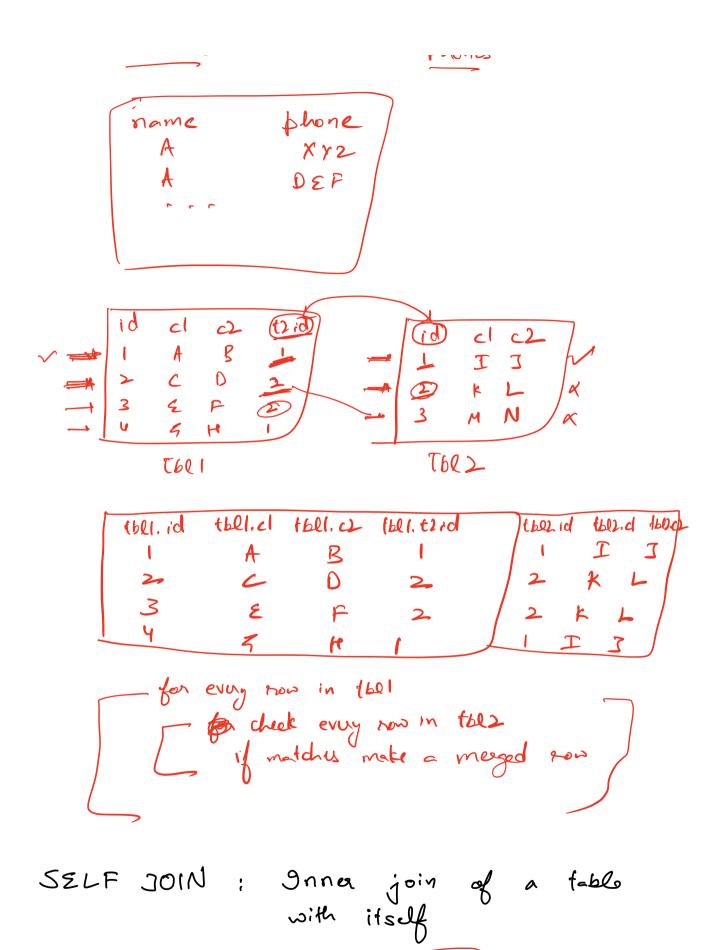
	st.id	st. name	st.bid	b.id	b. name
	ı	A	1	t	81
	2	B	2-	2	82
	3	C	1	١	BI
	Ч	D	2,	2	B2
		'A table	"created	l" by j	oin

SELECT [Students. name, Batches. name]
FROM Students
INNER JOIN Botches

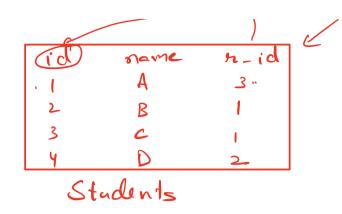
ON Students. Rid = Batches. id

	id	name	
	1	A	
	2	B	/
	3	C	/
_			
	Sta	2hnd	
	3	A B	

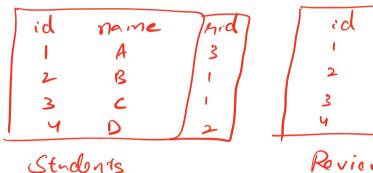
sid	phone
١	x72
'	DEF
2	ABC
3 3	CH>
301	MNO
Dhanes	•



2.4.



Get name, reviewer-name for all students



Reviewus

SELECT s. name, g. gname
FROM Students s
JOIN Reviewers a
on s. gid = g. (d)

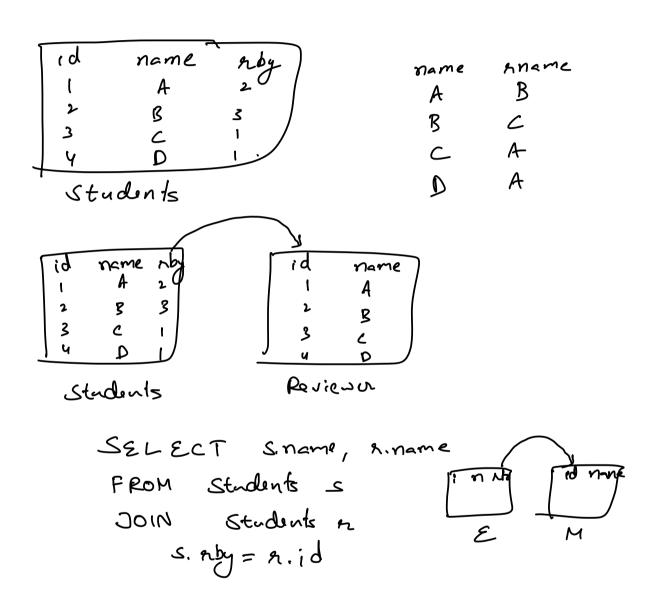
SELECT Siname, niname

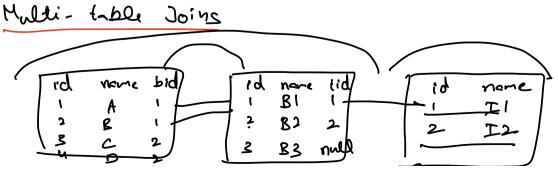
FROM Students & S

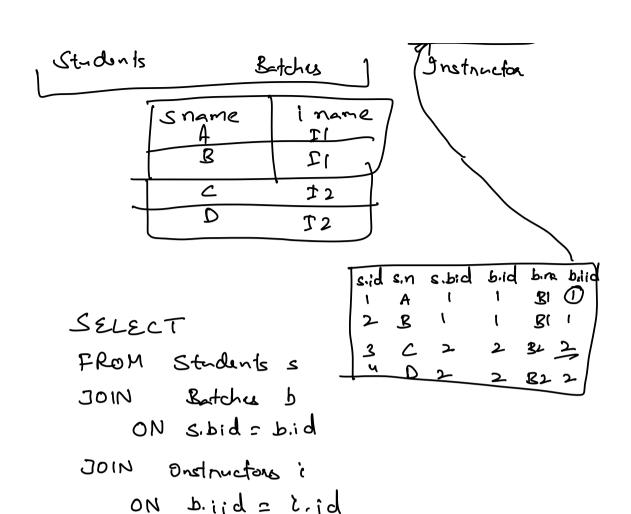
JOIN Students n

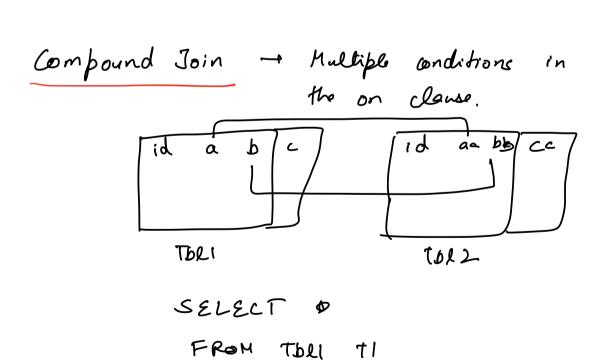
ON Sinid = nid

Break till 10:11 pm







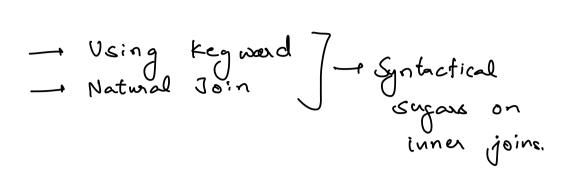


JOIN TOLZ TZ

ON (71. a = 72.00

AND

T1.b = T2.bb



1		54			
	bi	rame bid	ſ	bid	brame
	(4 1		1	RI
	2	BI		2	82
	3	C 2/			
_	U	D 2	4		
Students			•	Batch	W

SELECT *

FROM Students S

JOIN Ratches b

ON s. bid = b.bid

USING KEYWORD

SELECT *

FROM Students

JOIN Bothes

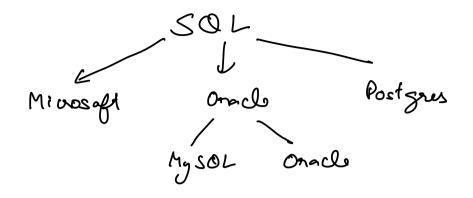
USING (bid)

NATURAL JOINS

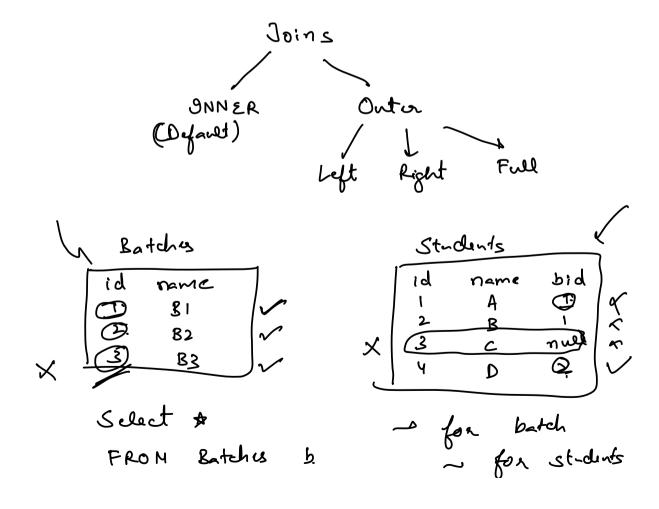
SELECT &

FROM students

NATURAL JOIN Batches



- → LEFT, RIGHT, Full Outa
- CROSS JOIN
- Advice on two to write joins?



JOIN Students s
on b. 1d = s. bid

	_				
ſ	b. 1d	D. name	sid	S. Marre	[c]; d
1	1	BI	1	A	()
	1	BI	2	B	1
١	2	82	u	ا م ا	2
	2	RZ			

ALL Datches are regd. whether or not any stadents are assigned to it.

SELECT &

FROM Batches D

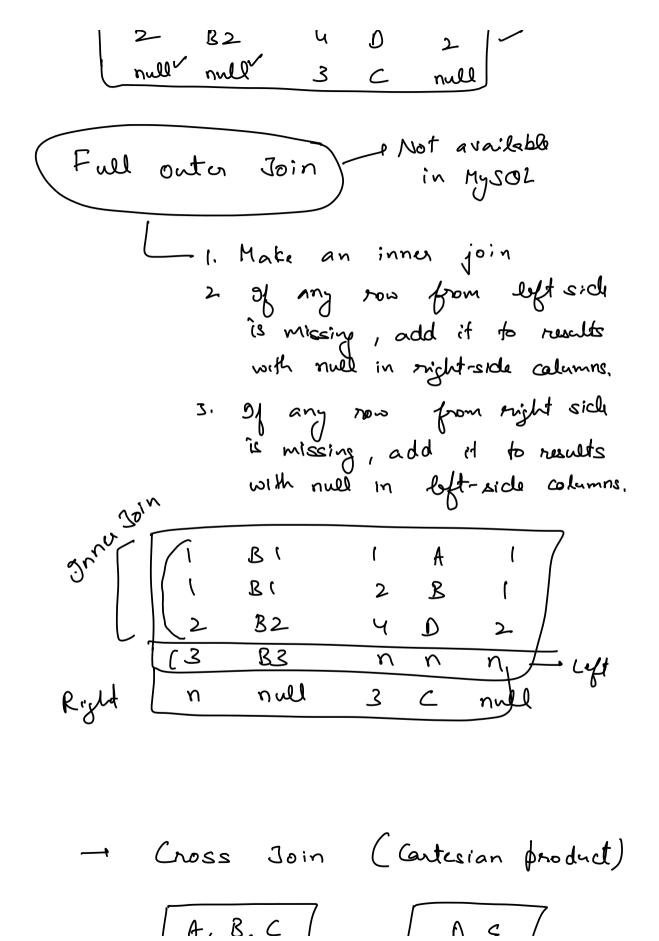
LEFT JOIN students s on b.id = s.bid

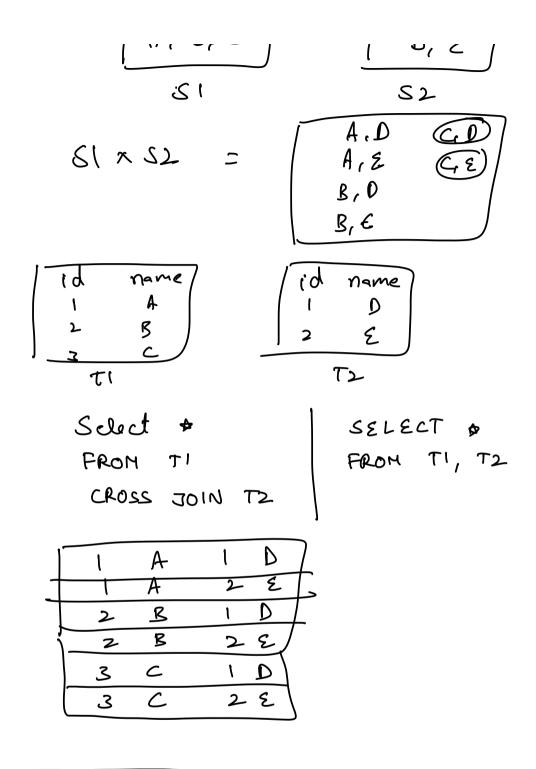
SELECT *

FROM Batches b

RISHT JOIN stadents s ON b.id = s.b.id

	1	BI	ſ	Α	ſ	7~
	(e.	2	B	ı	
١	_		•	_		-





Γ	bj	name		
	1	81		
	2	R2		
l	3	B 3		
Batches				

ſ	19	name	bid
- 1	1	A	1
	2	ß	•
	3	C	null
	4	D	2
	<i>~</i> .	A /	

