- 1. Good Evening
- 2. Lecture begins at 9:10pm
- 3. Topic Aggregalus & Buildin Fins.

Agenda

1. Aggregates.

2. GROUP BY -? V

3. HAVING V

4. Builtin- Fns.

Aggusales - MAX, MIN, SUM, AUS, COUNT

SUM (1, 2, 5, 10) = 18

(ODNL (1'5'2'10) = A

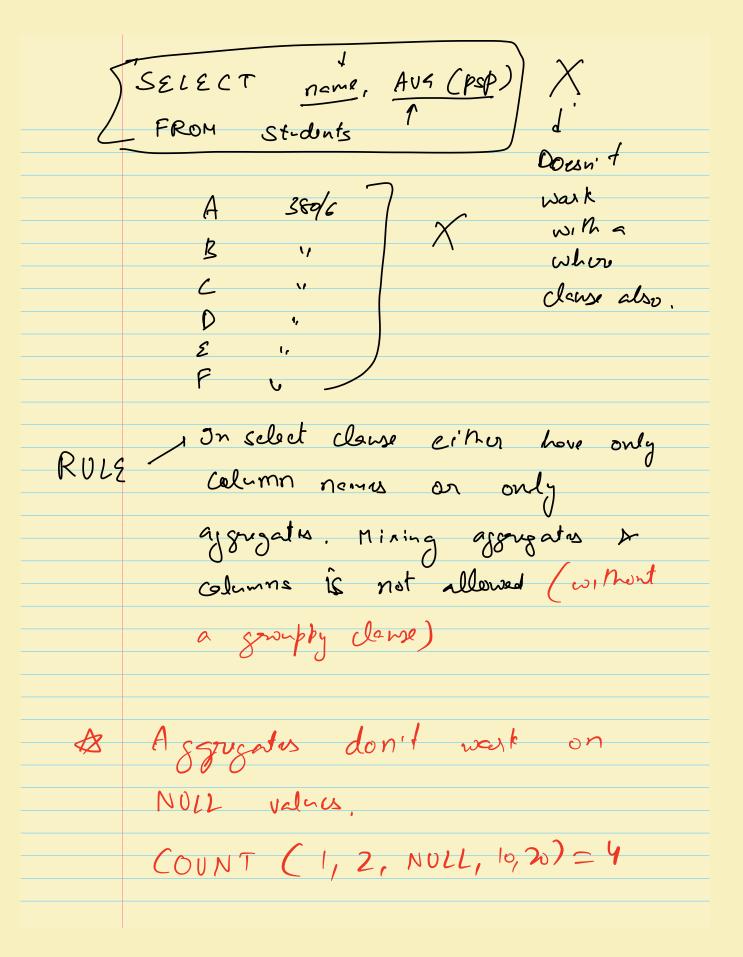
MAX (1,2,5,10) = 10

MIN (1,2, 5,10) = 1

## AUG (1,2,5,10) = 4.5

St-a.	, Fs
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id	name	bid	ps p			
1	A	t	904	\ \ \	· ~	7
 2	R	1	801	1	/	
			1 - 1		<u> </u>	
3	<i>C</i>	1	70			
4	D	2	601		K	
5	٤	2	501	\v	or .	
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6	<u> </u>	3	30	V		

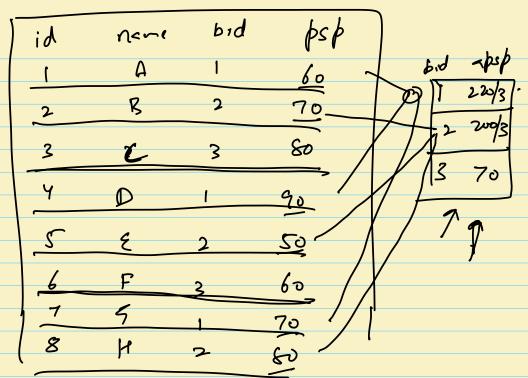


ANG (1,2, NULL, (0,20)=33/4 Finding rows in a febl SELECT COUNT (points) FROM constances should be a nonnell column SELECT court (constance-id), court (s) FROM customers: points chohmarid NULLY 10V 14.1

SELECT SOM (Schen) FROM comployed WHERE name = Akash GROUP BY Students bid id name prd aypsp 28 90 40 Ang psp of all students Aug pep of every both. SELECT ANG (PSP) 7 FROM Students

SELECT <u>bid</u>, AVR (psp) FROM Students GROUP BY bid; - In the select clause of Rule a group by query, ele con is. Any other colemn in the Select clause will come with on aggregate fr. BREAK = 10:08 to 10:17





SELECT bid, AUG (psp)

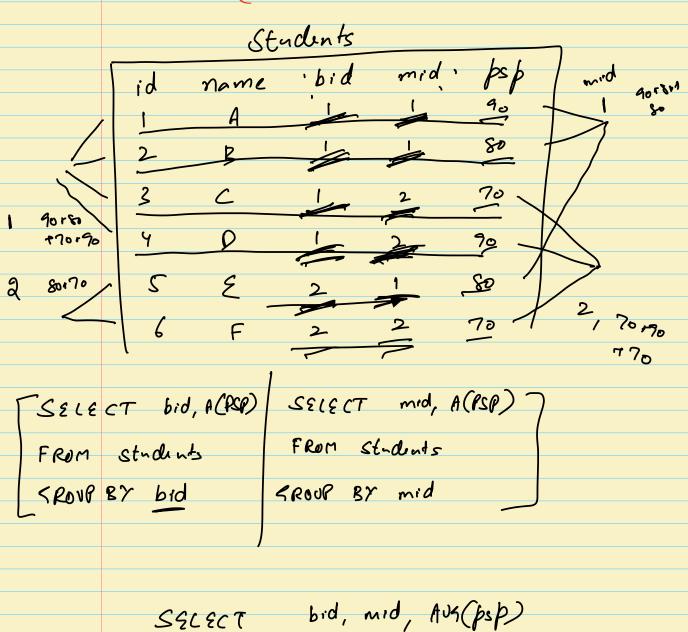
FROM SUNDING

FROUP BY bid

HAVING COUNT (id) > 3.

(above so per stant) Find any peop of I all batches having at-least 3 students above 80 psp SELECT bid, AUS(psp) FROM Students Where psp = 80 GROUP BY bid HAVING COUNT (id) 23 HAVINS WHERE where filtus nows, - Usus ajgrigatus. - Con it use aggregates

## GROUP BY (Multiple Calamns)



SELECT bid, mid, HUR(psp)

FROM Stadets

LROUP BY (bid, mid):

