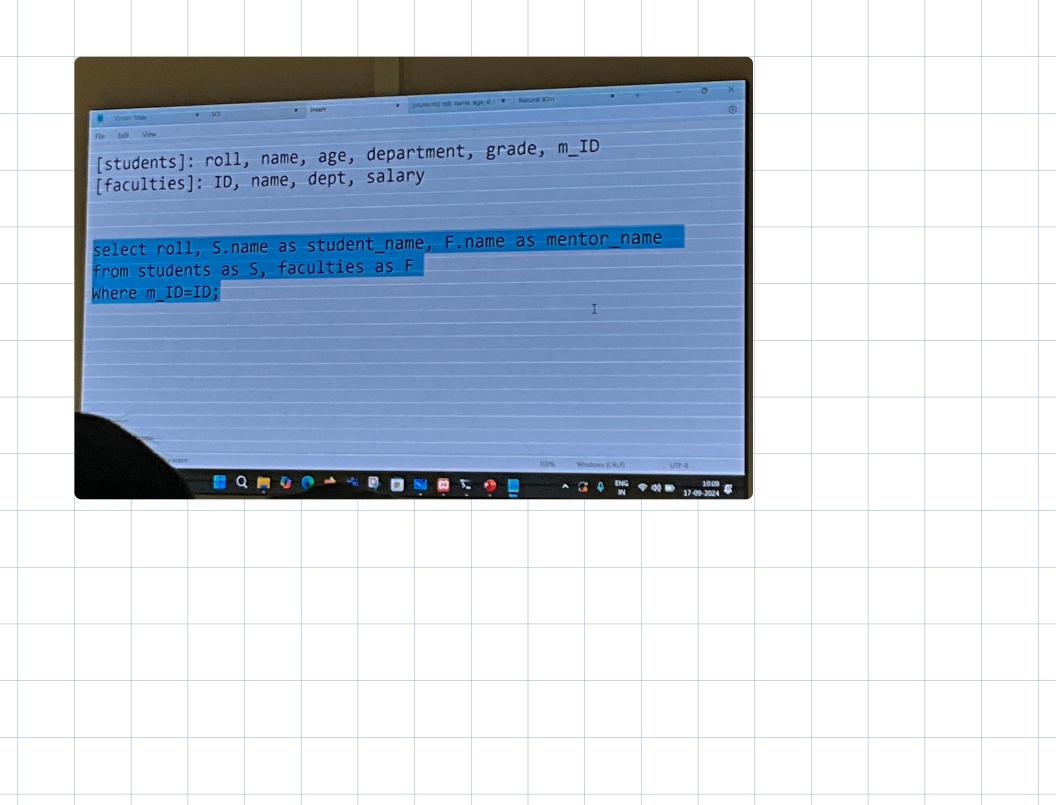
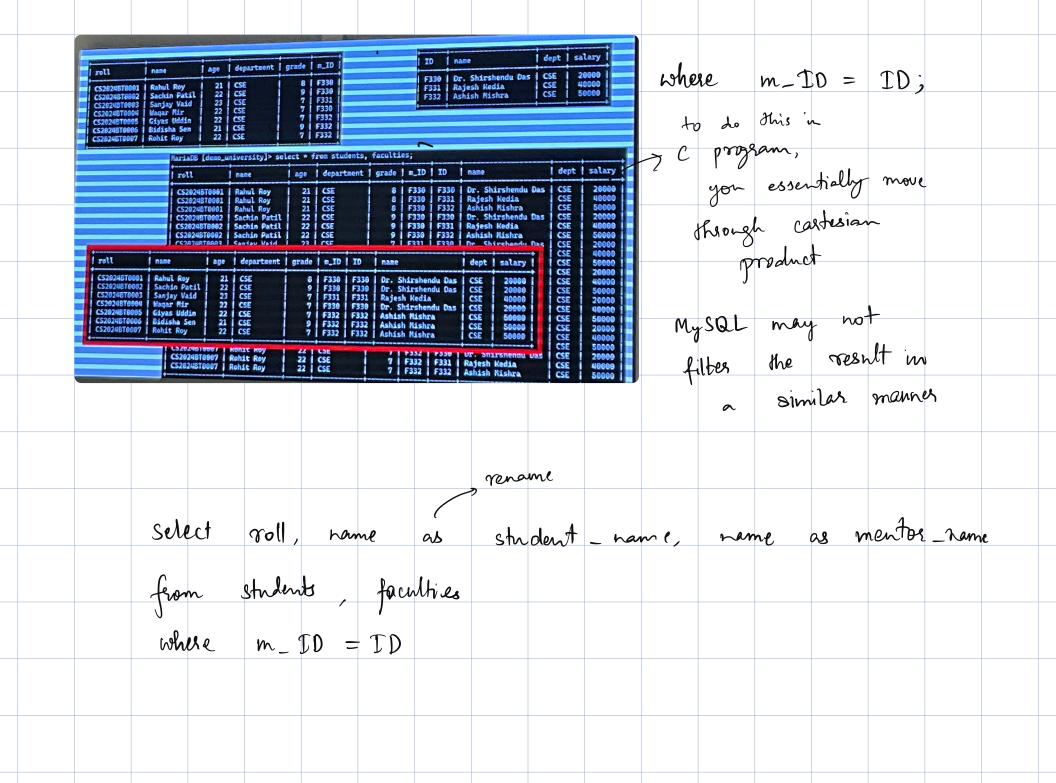
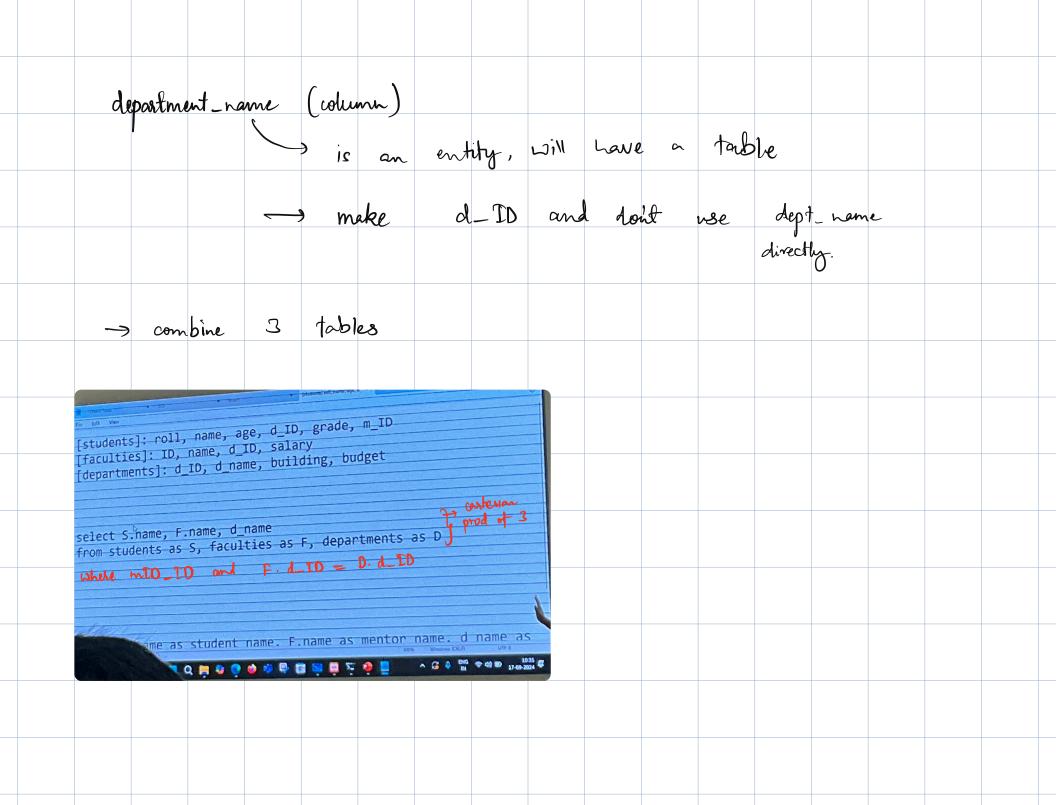
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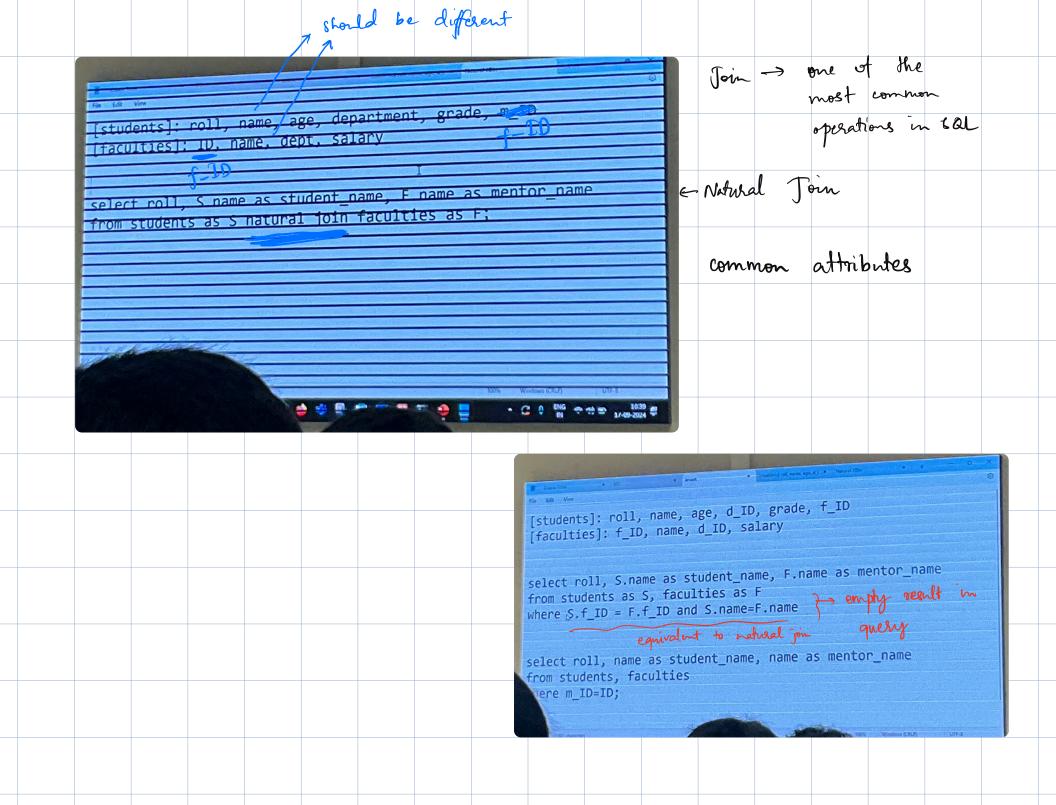


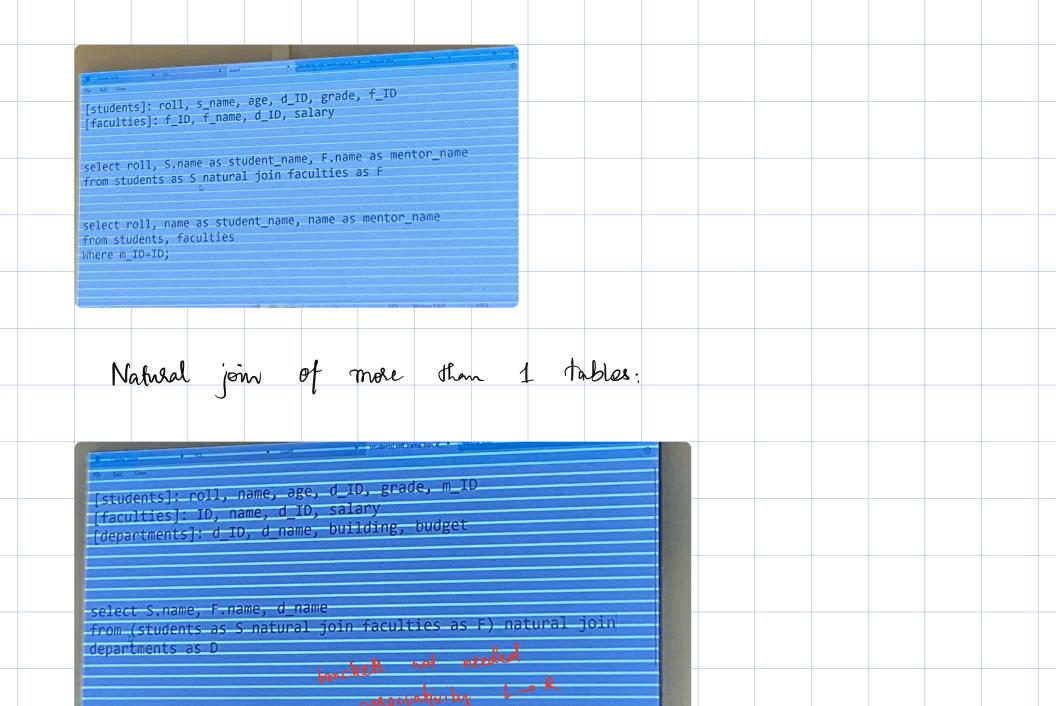




select noll, name, name) error, conflicting names from students, faculties where m_ID = ID To 11 -> no need of students. To 11 long table names select roll, S. name as shouldhop F. name as should from Students as S, faculties as F where m_D = ID

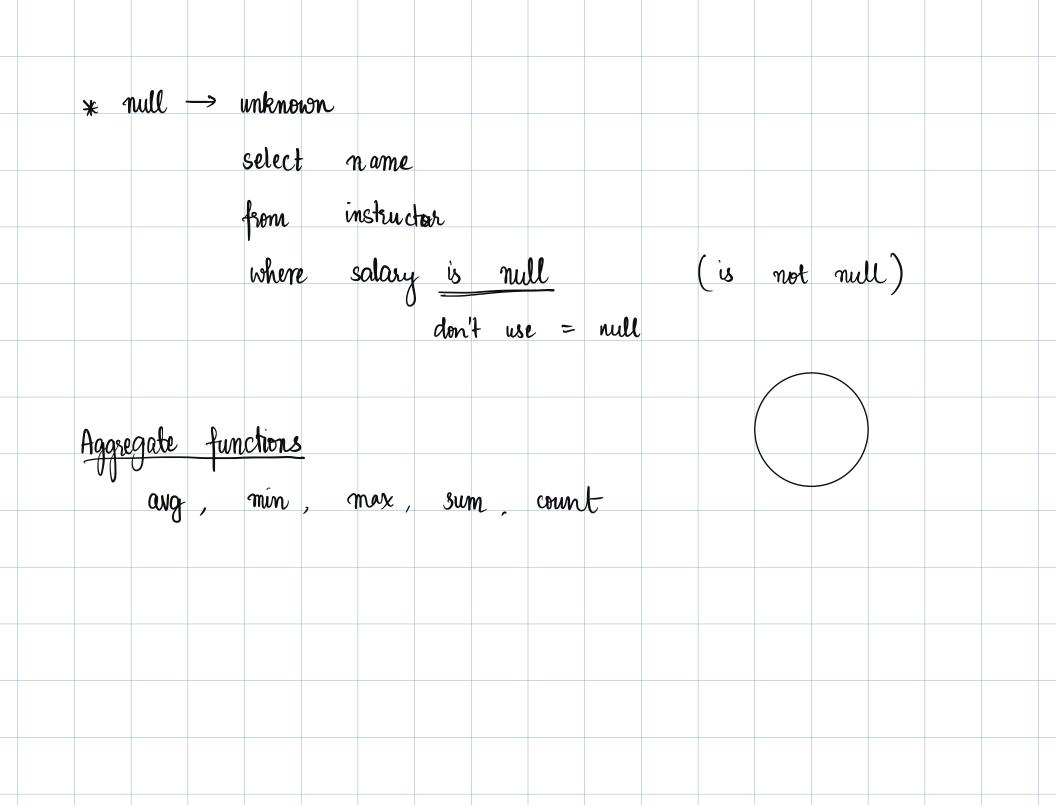






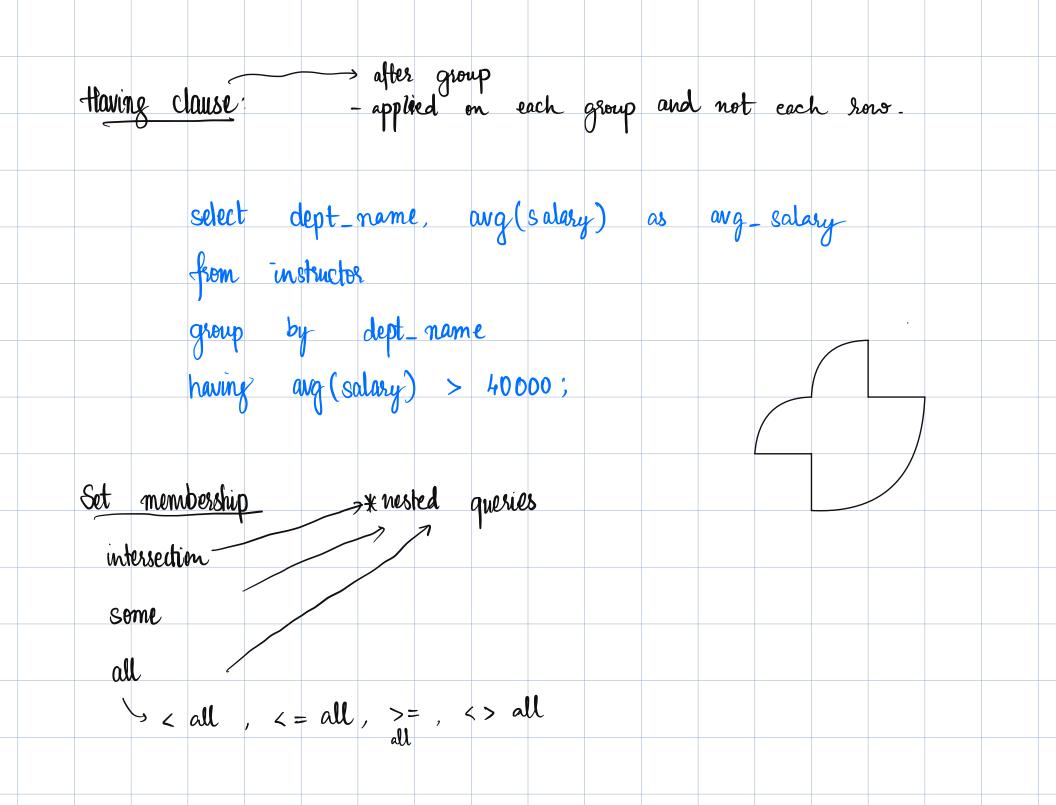
Simple join left order join sight order join 3.2.3 Quesies on multiple relations 3.3.3 Natural join Strings Intro 2 string stooks with Intro 7. comp 2 can steet on end with anything. 7. comp 2 is present in it			
left order join hight order join Trysse Addbase design 3.2.3 Queries on multiple relations 3.3.3 Natural join Strings Trysse Trys starks with Tritro'	Simple join		
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3.3.3 Natural join Strings Intro % string starts with Tutto	rgure		
3.3.3 Natural join Strings Intro % string starts with Tutto	3.2.3	Queries on multiple relations	
Strings Intro 2 string starts with Trites	3 · 3 · 3	Natural join	
Intro % string starts with Tintro			
Intro % string starts with Tintro	Strings		
7. comp % can start or end with anything, it			
		comp % can start or end with anything,	

	where buil	ding like	7. Wa	tson ?;	
	where buil	ly, name	Like 17	. Das';	
	'	U			
Read 3.	4.5				
w pito					
2024/09	119				
Union		ct			
$ ightarrow \mathcal{R}_{e}$					
* except		select			
'					
	6	xcept			
		xcept Select)			



```
mysql> select * from instructor;
                                                             * Show any salary for each department?
l ID
                    | dept_name | salary
| 10101 | Srinivasan | CSE
                                  65000.00 +
| 12121 | Wu
                    | Finance
                                  90000.00
| 15151 | Mozart
                    | Music
                                 40000.00
| 22222 | Einstein
                   | Physics
                                 95000.00
| 32343 | El Said
                    | History
                                  60000.00
| 33456 | Gold
                    | Physics
                                 87000.00
 45565 | Katz
                      CSE
                                  75000.00 <del>|</del>
 58583 | Califieri
                                62000.00
                      History
                                                                 select dept_name, avg (salary)
| 76543 | Singh
                    | Finance
                                 80000.00
| 76766 | Crick
                    | Biology
                                1 72000.00
| 83821 | Brandt
                    I CSE
                                1 92000.00 +
| 98345 | Kim
                    l EE
                                80000.00
                                                                from instructor
group by dept-name;
12 rows in set (0.01 sec)
mysql> select avg(salary)
    -> from instructor
   -> where dept_name = 'CSE';
| avg(salary)
| 77333.333333 |
1 row in set (0.00 sec)
[mysql> mysql> select avg(salary) from instructor;
| avg(salary)
+----+
| 74833.333333 |
+----+
1 row in set (0.00 sec)
```

Supp	ose	ID	îs.	not	a	psin	rary	key	<u>'</u>							
•		select		count	(di	stinct	ID)								
		fom														
		where	<u> </u>	mester	=	Splin	rg'	and	ye	or =	20	0;				
Con	mp S	ci		ystems	C -		•) •	Show	avg	salar	y -	by	area		
₩ 1		7			(Arc N	hitectur etwork,	etc.)		se	lect	ovg	salar	y)			
Theore	tical	Appli	cation AI, Mi)					_		nstruc		0 3			
									/ W	here	dep	t_na	me=	'CS	E'	
							U	rup ter	1	soup	by		la;			
							les	ter Lere	U		U					



* Read upto	3.8.5		
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<u>foin</u>			
select *) not much different from	
	join takes	using where clause	
on student id	join takes = takes.id		
select *			
from Student	join takes w	surg (ID)	
1	U -		

3011	4/09/26	
Dat	abase design	
	meet the people, understand the requirements	
	conceptual design	
	-> ER diagram (entity relationship)	
->	logical design	
→	physical design	
	There is no unified rule	
	2 different ER diagrams may meet the requirement	

