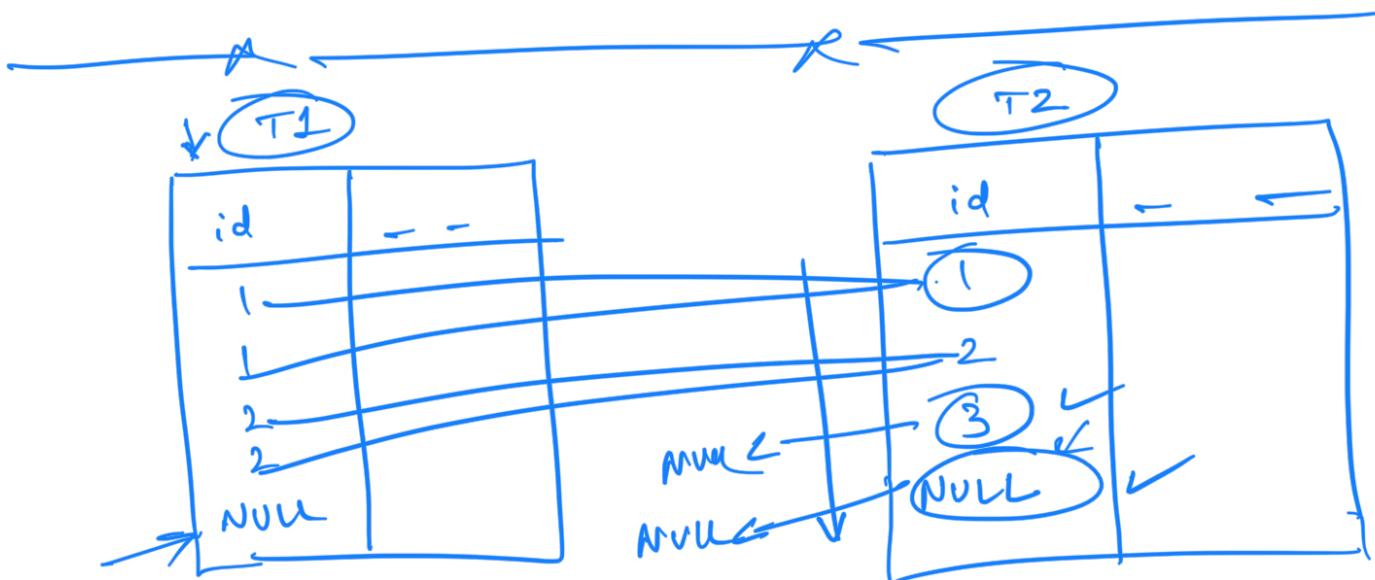
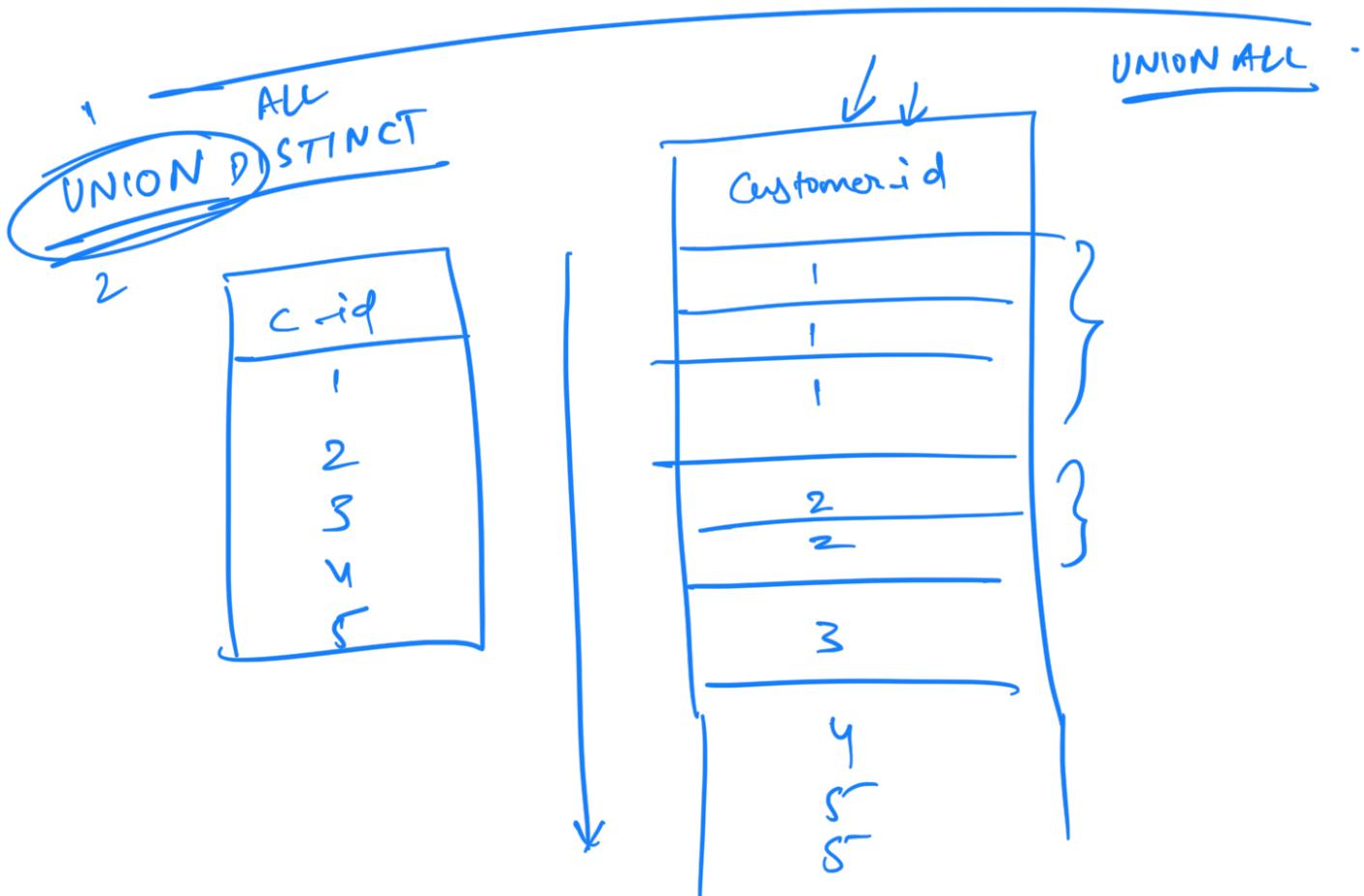


UNION in MySQL = UNION DISTINCT in BQL

UNION ALL = UNION ALL in BQL



Inner

t1.id	t2.id
1	1
1	1
2	2
2	2

Left

t2.id	t2.id
1	1
1	1
2	2
2	2
NULL	NULL

Right

t2.id	t2.id
1	1
2	2
2	2
NULL	3
NULL	NULL

Outer

t1.id	t2.id
1	1
1	1
2	2
2	2
NULL	3
NULL	NULL
NULL	NULL

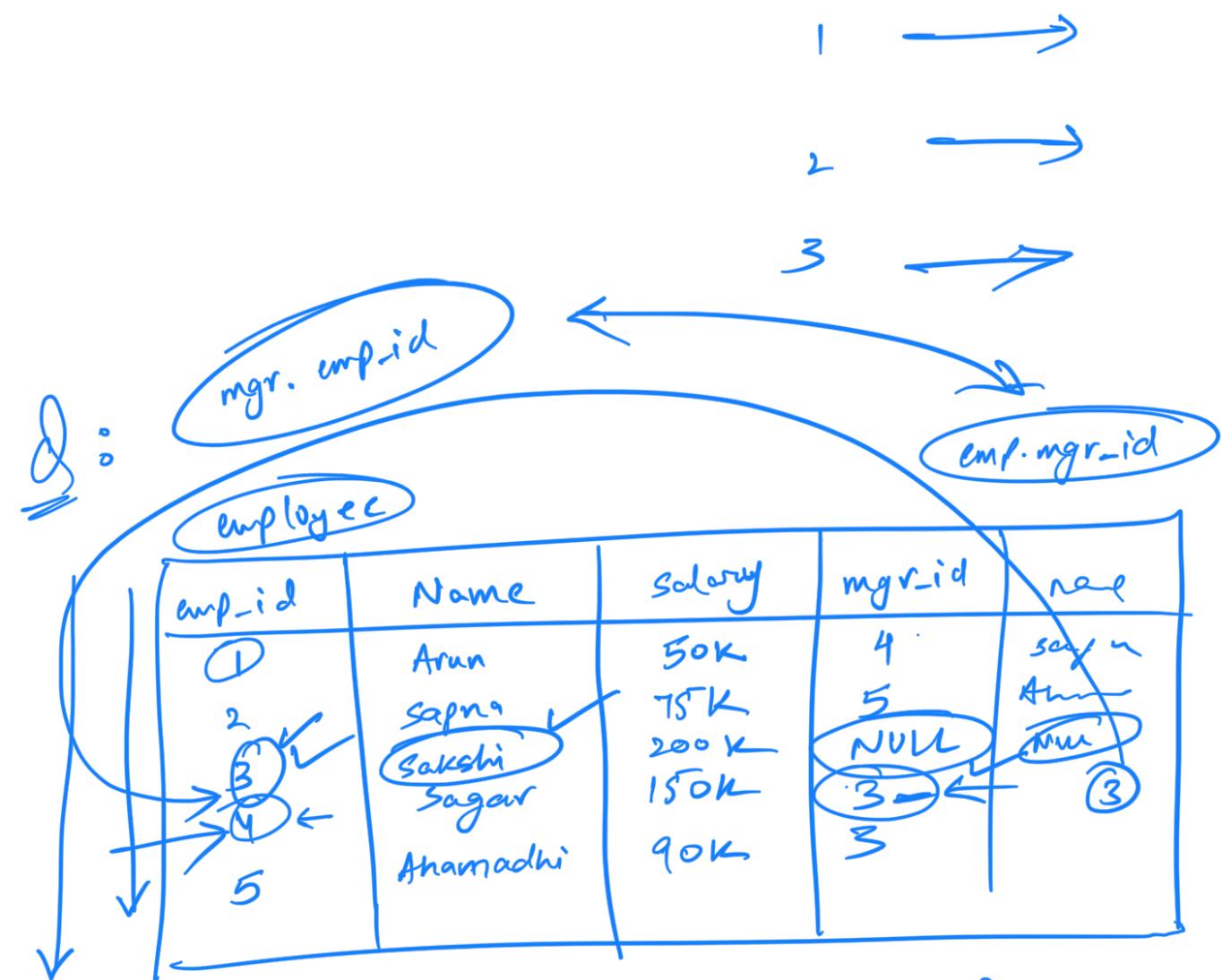
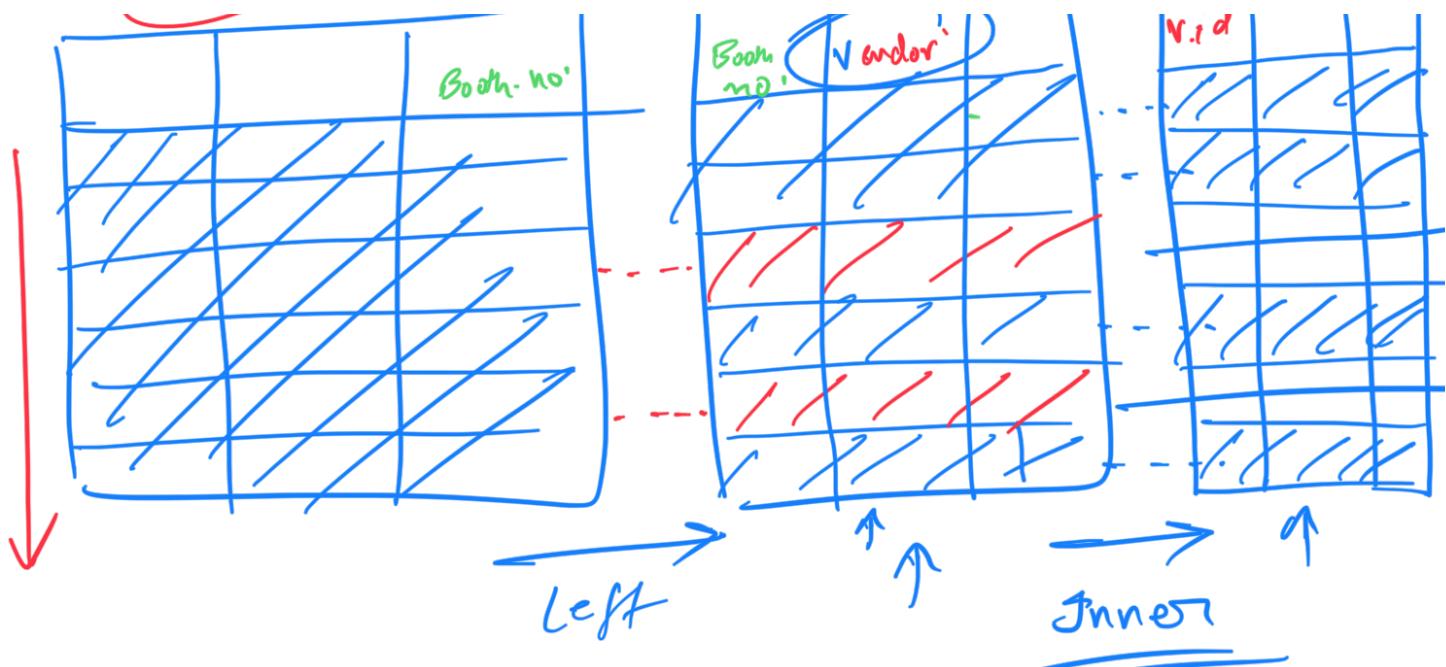
1st Join → All the booths
 ↑
 LEFT JOIN

2nd Join → INNER

booth

VBA

Vendor



→ for each employee, find out the name of their manager from the employee table.

SELF
JOIN

SELECT
 emp. emp-id,
 mgr. emp-id,
 mgr. name }
 FROM employees AS emp } e1.
 JOIN employees AS mgr } e2.
 ON emp. mgr-id = mgr. emp-id

Q:

cars	
id	car-model
1	Camry
2	Corolla
3	Santro

$$3 \times 4 = 12$$

colors	
id	color-name
1	Black
2	Red
3	Blue
4	Silver

car-model	color-name
Camry	Black
Camry	Red
Lang	Blue
Camry	Silver
Corolla	
:	
San	
:	
79	

Syntax

SELECT
 n. car-model

ce - color-name
 FROM carc AS c1
~~CROSS JOIN~~
~~ON~~
 colors AS c2
 = = = = = .
 ↑

Another Syntax:

SELECT =
 → FROM car-models AS c1, colors AS c2
 WHERE c1. = c2.
 Cross Join

Q: Extract all the employees who are
 earning more than their average
 departmental salary.

emp_id	Name	Dept	Salary
1		Accounts	
2		Sales	
3		Sales	
4		Tech	20K
5		Tech	30K

\downarrow | | \geq |
 30k \geq 25k

$\text{SUM} \downarrow$
 $\text{AVG}(\text{salary}) \rightarrow \text{by salary}$

Correlated Subqueries

SELECT

fname,

lname,

salary

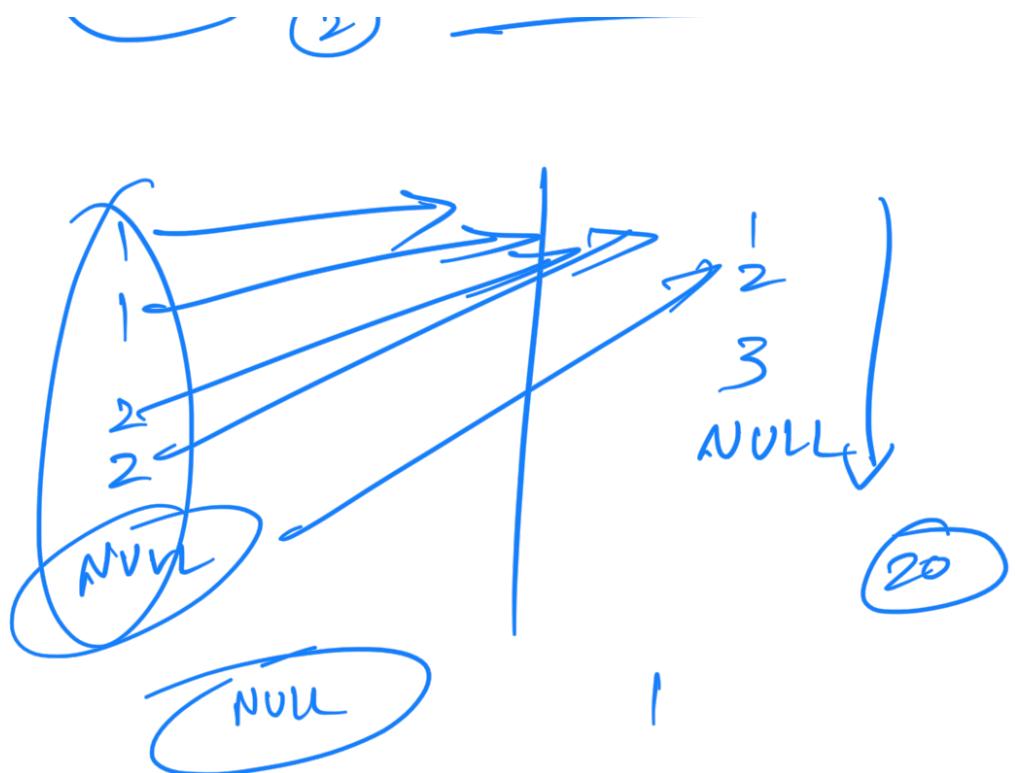
FROM employees AS

WHERE el.salary $>$ (SELECT avg(salary)
 FROM employees AS e2

WHERE e1.deptt =

\Rightarrow e2.deptt.)





	1
2	1
2	1
1	1
	2
2	2
2	2
2	2
3	3
3	3
3	3
]
	NULL

$$\frac{q \times \text{cost}}{\text{Ans} (2)}$$