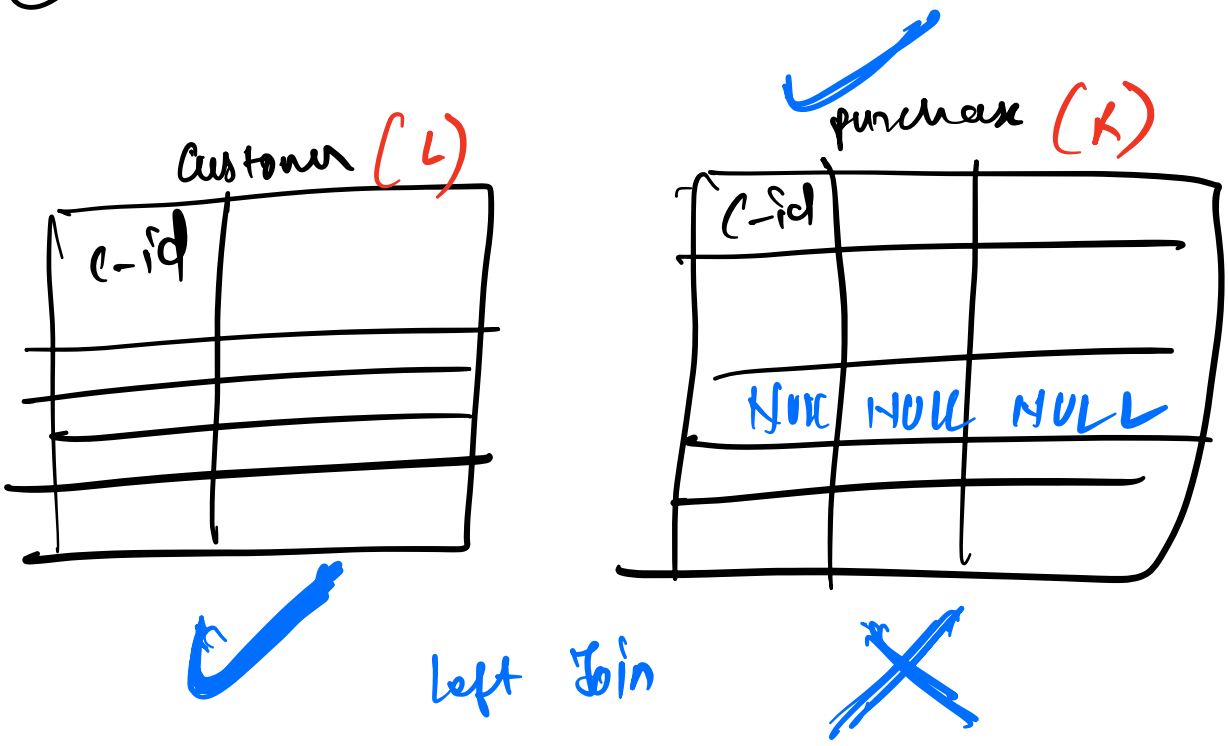
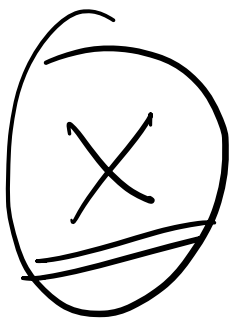
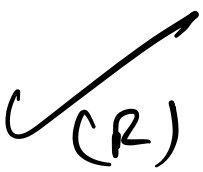
Joins Continued

① Customers who are new to the mkt.



deleted

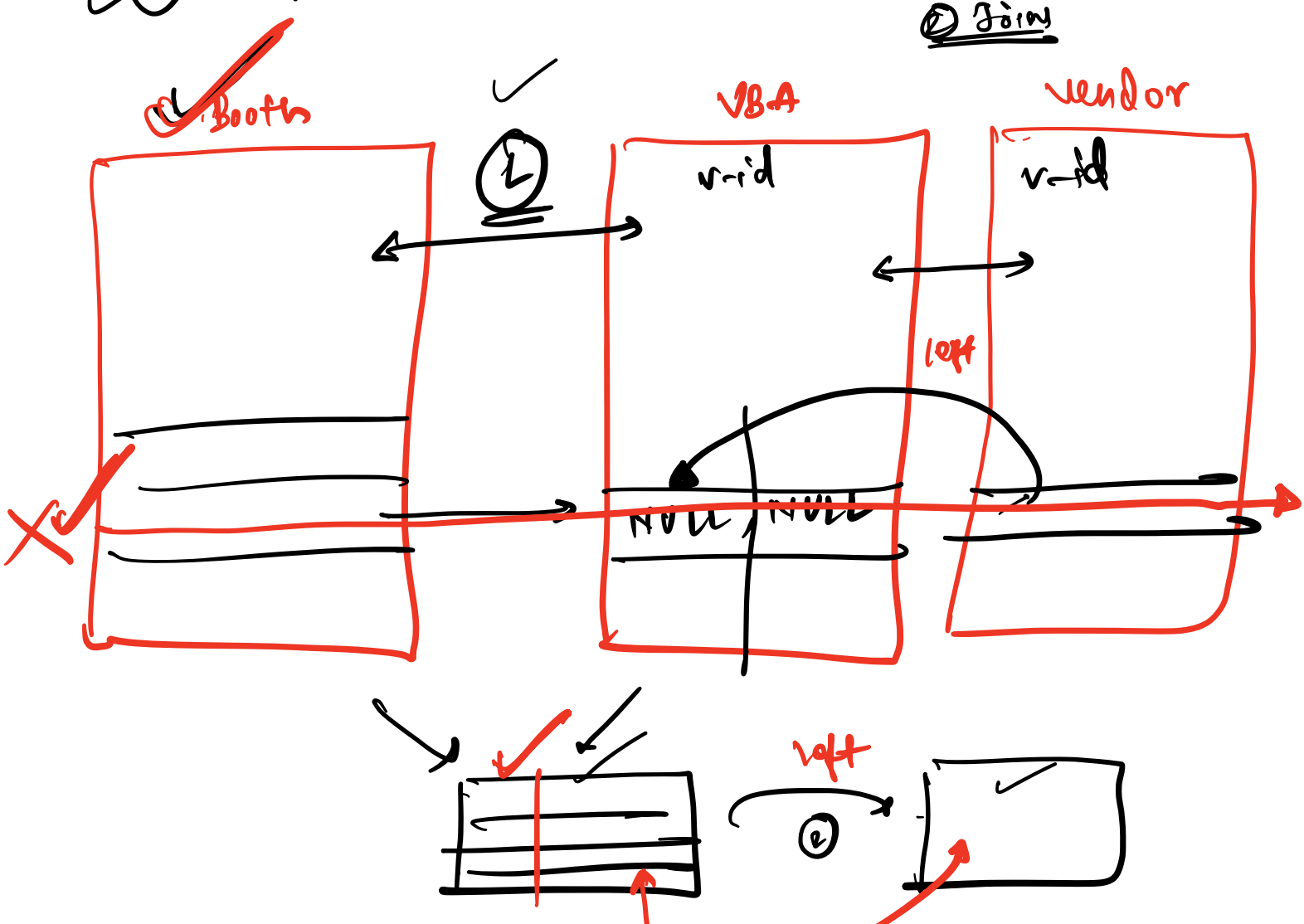




* Joining Multiple Tables :

(Q) Details about all farmers market booths and every vendor booth assignment for every market date.

1. Booth
2. vendor_booth_assign
3. vendor



* Self Join

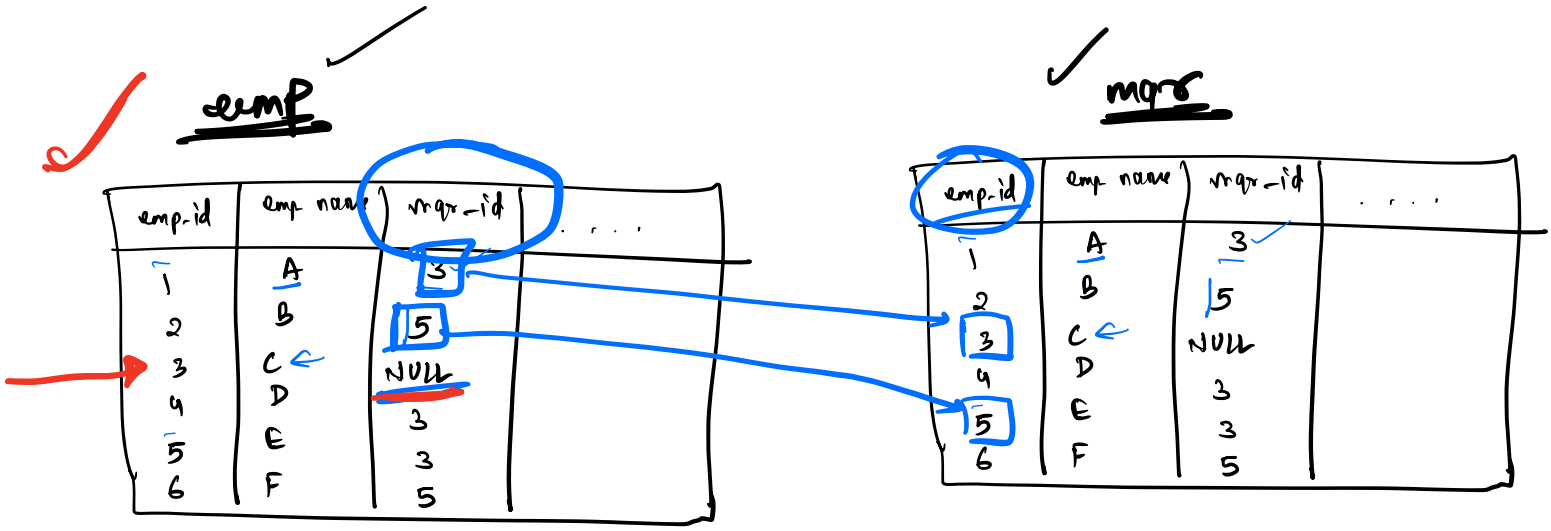
(Q) For each employee in the given table, find out the name of their manager.

employee

emp-id	emp name	mgr-id	. . .
1	A	3	
2	B	5	
3	C	NULL	
4	D	3	
5	E	3	
6	F	5	

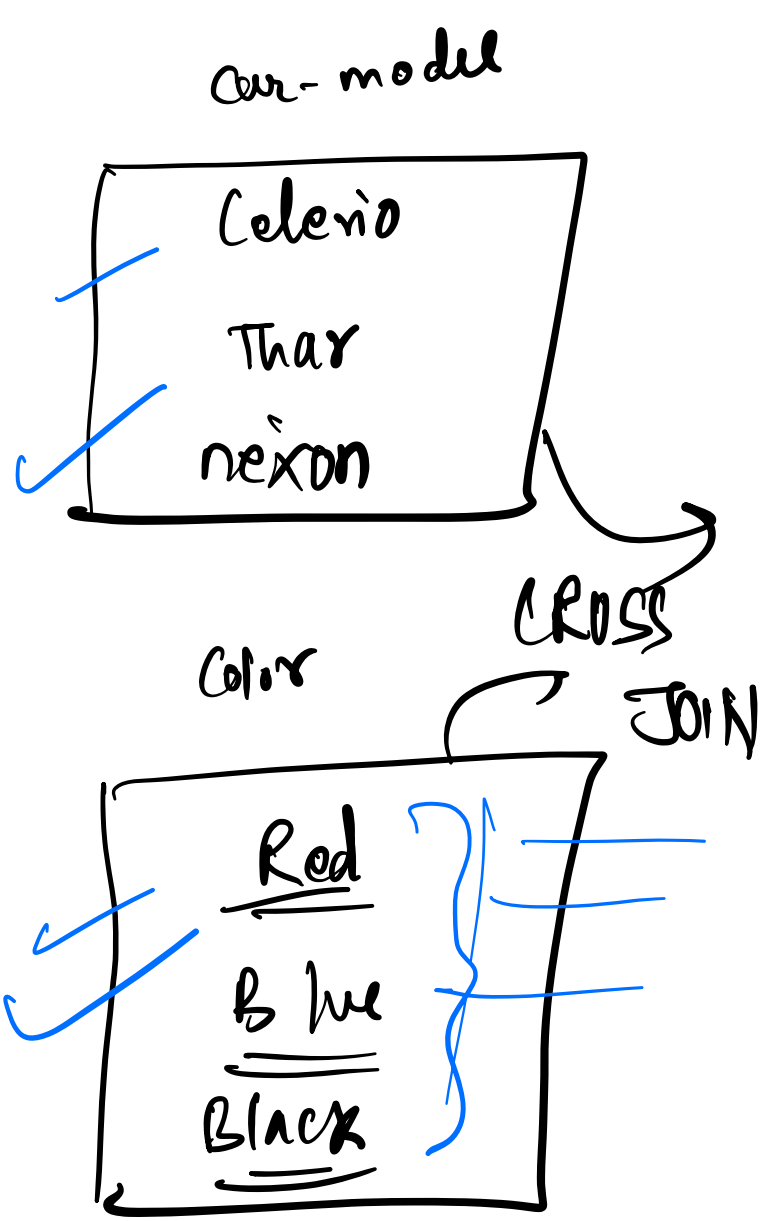
Op:

emp-id	Name	mgr-name
1	A	C
2	B	E
3	C	NULL
:		




```
select
    e.emp-id,
    e.emp-name,
    m.emp-name as mgr-name
from   emp as e
LEFT join   emp as m
    on   e.mgr-id = m.emp-id
```

* CROSS JOIN



car-model	Color
Celerio	Red
Celerio	Blue
Celerio	Black
Thar	Red
"	Blue
"	Black
nexon	Red
"	Blue
"	Black

L (4) R (5)

4 x 5 = 20

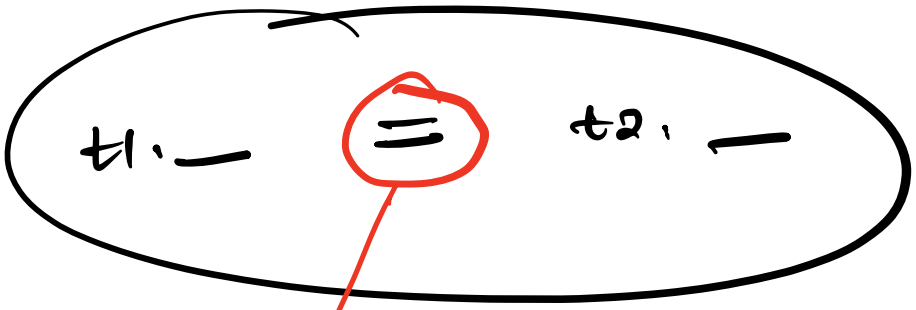
Syntax

① select
*
from car_model
CROSS JOIN color

② select
*
from car_model as cm, color as c

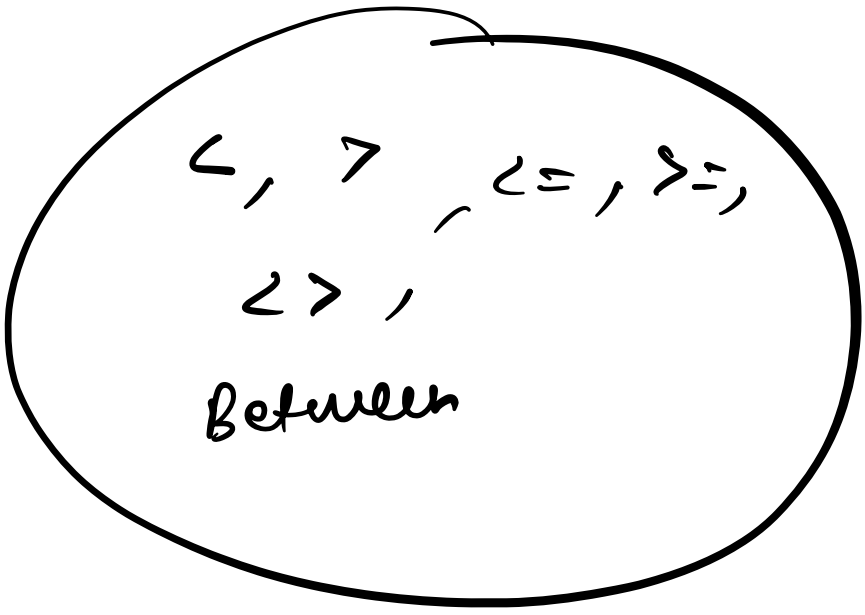
* Equi & non-equi Joins

on



equi joins

non-equi joins



eg: Given the User and the Country table, Recommend new countries to the users which they have not visited yet.

User

user	country_visited
John	India
Susan	USA
Mark	Japan

Country

travel_to
India
USA
Japan

select

from users as t1

Join Country as t2

on t1.country_visited <> t2.travel_to

(Q.2) Given kids-info and Toys-info

kids-info

ID	Age
Alan	2
John	5
nancy	10
fedak	7
Clinton	6

Toys-info

Toys	min-age	max-age
Sippa	0	3
Stuff-dolls	3	6
Cars	5	8
Miniatures	1	9
Game	8	11

(9) Recommend toys to each kid who is above the minimum recommended age to play with those toys.

```
select
from kids_info as t1
join toys_info as t2
on t1.age >= t2.min_age
```