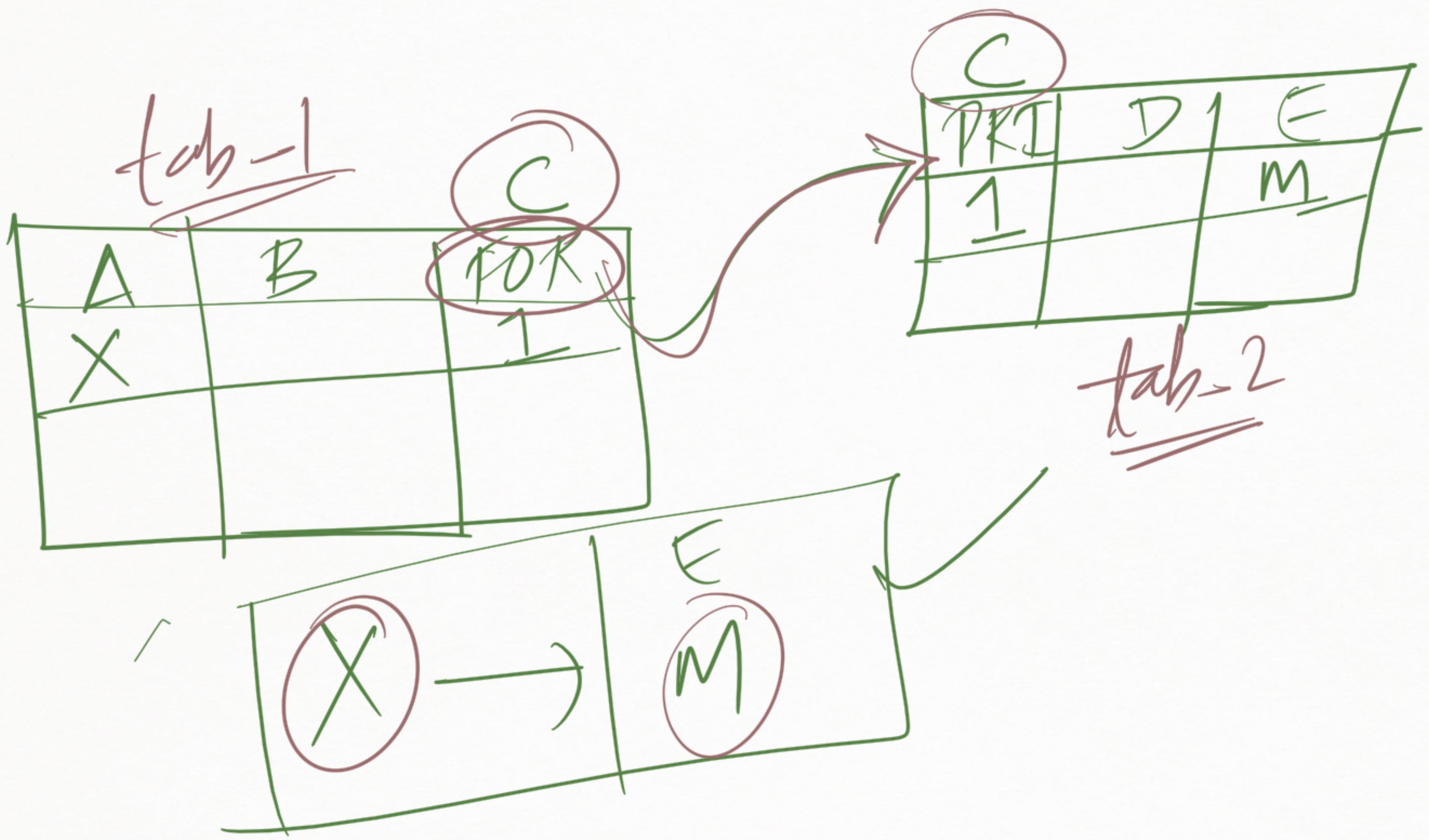


A	B	C	D
I	X	Apple	Drink
(2)	(2)	Apple Mango	Food Food

Pri

Composite
Primary Keys

- Login to the mysql sever
- Use database-name
- ✓



Employee

emp_id	first_name	last_name	birth_date	sex	salary	super_id	branch_id
100	David	Wallace	1967-11-17	M	250,000	NULL	1
101	Jan	Levinson	1961-05-11	F	110,000	100	1
102	Michael	Scott	1964-03-15	M	75,000	100	2
103	Angela	Martin	1971-06-25	F	63,000	102	2
104	Kelly	Kapoor	1980-02-05	F	55,000	102	2
105	Stanley	Hudson	1958-02-19	M	69,000	102	2
106	Josh	Porter	1969-09-05	M	78,000	100	3
107	Andy	Bernard	1973-07-22	M	65,000	106	3
108	Jim	Halpert	1978-10-01	M	71,000	106	3

Branch

branch_id	branch_name	mgr_id	mgr_start_date
1	Corporate	100	2006-02-09
2	Scranton	102	1992-04-06
3	Stamford	106	1998-02-13

Works_With

emp_id	client_id	total_sales
105	400	55,000
102	401	267,000
108	402	22,500
107	403	5,000
108	403	12,000
105	404	33,000
107	405	26,000
102	406	15,000
105	406	130,000

Client

client_id	client_name	branch_id
400	Dunmore Highschool	2
401	Lackawana Country	2
402	FedEx	3
403	John Daly Law, LLC	3
404	Scranton Whitepages	2
405	Times Newspaper	3
406	FedEx	2

Branch Supplier

branch_id	supplier_name	supply_type
2	Hammer Mill	Paper
2	Uni-ball	Writing Utensils
3	Patriot Paper	Paper
2	J.T. Forms & Labels	Custom Forms
3	Uni-ball	Writing Utensils
3	Hammer Mill	Paper
3	Stamford Lables	Custom Forms

Reddish → Primary Key

Green → Foreign Key

Blue → Attribute/Normal

Super_id ⇒ ID of the Supplier.

Work With Table = $\text{emp_id} + \text{client_id}$

PRI

Foreign key

- Duplicate entries ✓
- NULL ✓
- Different Column Name
from the Column it is referencing to
- Can reference the same
Table ✓

Reference = pointing.

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2	Uni-ball	Writing Utensils
3	Patriot Paper	Paper
2	J.T. Forms & Labels	Custom Forms
3	Uni-ball	Writing Utensils
3	Hammer Mill	Paper
3	Stamford Lables	Custom Forms

ON DELETE SET

NULL VS

ON DELETE

CASCADE

If Parent is deleted
then child should also
be deleted.

Constraints
→ PRI }
→ FOREIGN KEY }
→ DEFAULT NULL

H/W ⇒ Fill the Whole Company-DB
with Data given in Company-DB
on Github · PNC