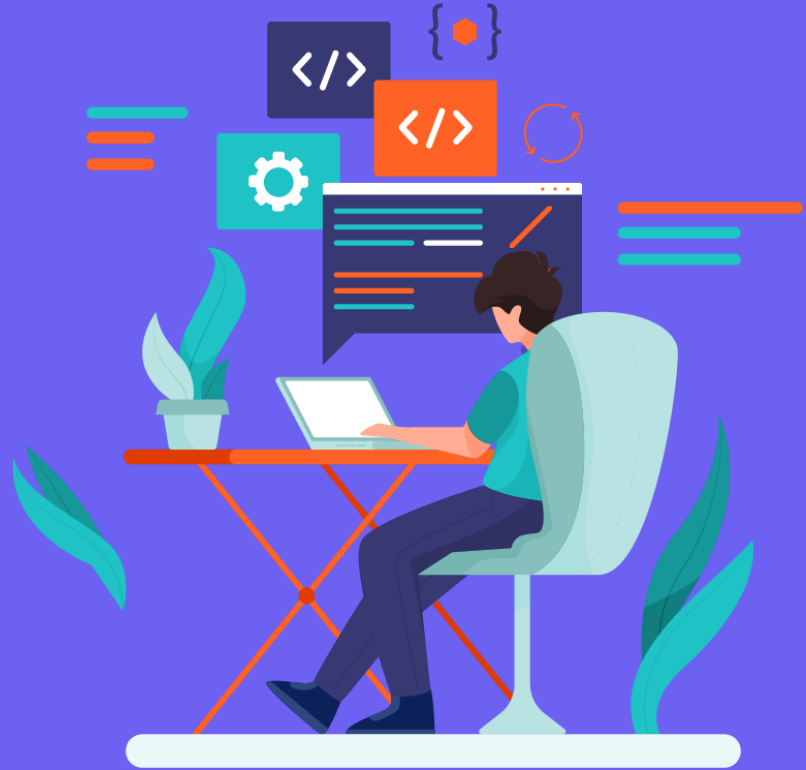


# SQL

**Relevel**  
by Unacademy



Product details

P.id	Name	unit-price
1	Pen	10
2	Paper	5
3	stapler	15

transaction

t.id	P.id	time
01	01	01/01/2022
02	01	01/02/2022
03	02	01/03/2022

{ find those product with no orders

All rows from left

P.id	Name	unit-price	t.id	P.id	time
1	<u>Pen</u>	10	01	01	01/01/2022
1	Pen	10	02	01	01/02/2022
2	Paper	5	03	02	01/03/2022
3	stapler	15	<u>NA</u>	<u>NA</u>	NA

Common from right

LEFT JOIN

Left join

P.name	# of time sold
Pen	2
Paper	1
stapler	0

## Union All & Union

C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>
A	L1	2
B	L2	3
C	L3	1

C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>
D	L5	9
A	L1	2
E	L9	3

Union all

Concat all rows even duplicated rows

C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>
A	L1	2
B	L2	3
C	L3	1
D	L5	9
A	L1	2
E	L9	3

Union

Concat rows  
but removes  
duplicated rows

C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>
A	L1	2
B	L2	3
C	L3	1
D	L5	9
E	L9	3