

Table A (Customers)		
customer_id	customer_name	city
1	Alice	NYC
2	Bob	LA
3	Charlie	SF
4	David	NYC

Table B (Orders)			
order_id	customer_id	order_amount	order_status
101	1	500	"XYZ"
102	1	300	"Pending"
103	2	700	"XYZ"
104	3	200	"Completed"
105	3	400	"XYZ"
106	5	900	"XYZ"

Give outputs based on:

1. Table A left join Table B on A.key = B.key and B.order_status= "XYZ"

customer_id	customer_name	city	order_id	customer_id	order_amount	order_status
1	Alice	NYC	101	1	500	"XYZ"
2	Bob	LA	103	2	700	"XYZ"
3	Charlie	SF	105	3	400	"XYZ"
4	David	NYC	NULL	NULL	NULL	NULL

2. - Table A left join Table B on A.key = B.key where B.order_status= "XYZ"

Note: SQL processed JOIN first and then where

customer_id	customer_name	city	order_id	customer_id	order_amount	order_status
1	Alice	NYC	101	1	500	"XYZ"

2	Bob	LA	103	2	700	"XYZ"
3	Charlie	SF	105	3	400	"XYZ"

3. Table A **inner join** Table B on A.key = B.key **where B.order_status= "XYZ"**

customer_id	customer_name	city	order_id	customer_id	order_amount	order_status
1	Alice	NYC	101	1	500	"XYZ"
2	Bob	LA	103	2	700	"XYZ"
3	Charlie	SF	105	3	400	"XYZ"