



# Subqueries



## TAREA 03. REALIZAR LOS QUERY'S QUE PERMITAN OBTENER LO SIGUIENTE

Subquery & Join

- Obtener los customers que hayan ordenado un smartphone(id=3)

```
SELECT
    c.first_name,
    c.last_name,
    i.`product_id`
FROM `store`.`order_items` i
join orders o on o.id = i.order_id
join customers c on c.id = o.customer_id
where i.product_id = 3;
```

Result Grid				Filter Rows:	Export:	Wrap Cell Content:
	first_name	last_name	product_id			
▶	Sofia	Pérez	3			
	Ines	Gomez	3			
	Victoria	Sánchez	3			
	Ines	Gomez	3			

Result 17 x

Output

Action Output

#	Time	Action	Message
✓ 1	09:46:00	SELECT c.first_name, c.last_name, i.`product_id` FROM `store`.`order_items` i join orders o on o.id = i.order_i...	4 row(s) returned

- Obtener los productos que sean mas costosos que los audifonos(considerando que el costo no es estático)



```
select * from products where unit_price > (select unit_price from products where id = 2);
```

Result Grid				
Filter Rows: <input type="text"/>				
Edit:				
Export/Import:				
Wrap Cell Content:				
	id	name	quantity_in_stock	unit_price
▶	1	Tablet	70	8000
	3	Smartphone	38	12000
	8	PC Gamer	26	14000
	9	Laptop	67	20000
	10	Smartwatch	6	4000
*	NULL	NULL	NULL	NULL
products 23 x				
Output				
Action Output				
#	Time	Action	Message	
✓ 1	09:49:34	select * from products where unit_price > (select unit_price from products where id = 2)	5 row(s) returned	

- Obtener los empleados que ganan mas que el promedio



```
select * from employees where salary > (select avg(salary) from employees);
```

Result Grid							
	id	first_name	last_name	job_title	salary	reports_to	office_id
▶	37851	Daniel	Montero	Estadístico III	98926	37270	1
	40448	Joaquin	Sanchez	Científico	94860	37270	1
	56274	Rubén	Ortega	VP Mercadeo	110150	37270	1
	67009	Valeria	Guerrero	VP Gestión de Producto	114257	37270	2
	67370	Constanza	Hernández	Trabajadora Social	96767	37270	2
	72540	Javier	Velásquez	Oficinista I	117690	37270	3
	72913	Emiliano	Fernández	Analista de Sistemas Informáticos IV	96401	37270	3
	76196	Isabella	Guerrero	Contador de Costos	119241	37270	3
	84791	Isabella	Hernández	Gerente General	93760	37270	4
	95213	Andrea	Ramírez	Farmacéutico	86119	37270	4
	115357	Luis	Medina	Ingeniero Estructural	92710	37270	5
✱	NULL	NULL	NULL	NULL	NULL	NULL	NULL

employees 30 x

Output

Action Output

#	Time	Action	Message
✓ 1	09:53:56	select * from employees where salary > (select avg(salary) from employees)	11 row(s) returned

- En una frase... Que es lo que obtiene el siguiente query

```
SELECT *
FROM products
WHERE product_id NOT IN (
    SELECT DISTINCT product_id
    FROM order_items
)
```

Asumiendo que la ejecución se hace de todo el query.

- Traerá la información de todos los productos que no tengan ni una venta registrada.

Si solo se ejecuta la parte seleccionada.

- Traerá los distintos id de productos que estén registrados en la tabla *order\_items*.

- Obtener los clientes que no tengan facturas

```
select * from clients where id not in (select distinct client_id from invoices);
```

Result Grid						
Filter Rows: <input type="text"/>						
Edit:						
Export/Import:						
Wrap Cell Content:						
	id	name	address	city	state	phone
▶	4	Roberto Martinez	J. Wong 789	Sta. Catarina	NL	254-750-0784
*	NULL	NULL	NULL	NULL	NULL	NULL

clients 50 x

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Output

Action Output

#	Time	Action	Message
✓ 1	10:39:57	select * from clients where id not in (select distinct client_id from invoices)	1 row(s) returned