

Taller 2 Join en SQL

Presentado por: Daniel Alejandro Guerrero Suárez

1. `select e.last_name as Apellido, d.id as Id_Departamento, d.name as Nombre
from s_emp e join s_dept d
on dept_id=d.id;`

	⚡ APELLIDO	⚡ ID_DEPARTAMENTO	⚡ NOMBRE
1	Velasquez	50	Administration
2	Ngao	41	Operations
3	Nagayama	31	Sales
4	Quick-To-See	10	Finance
5	Ropeburn	50	Administration
6	Urguhart	41	Operations
7	Menchu	42	Operations
8	Biri	43	Operations
9	Catchpole	44	Operations
10	Havel	45	Operations
11	Magee	31	Sales
12	Giljum	32	Sales
13	Sedeghi	33	Sales
14	Nguyen	34	Sales
15	Dumas	35	Sales
16	Maduro	41	Operations
17	Smith	41	Operations
18	Nozaki	42	Operations
19	Patel	42	Operations
20	Newman	43	Operations
21	Markarian	43	Operations
22	Chang	44	Operations
23	Patel	34	Sales
24	Dancs	45	Operations

2. `select d.id as Id_Departamento, r.id as Id_Region, r.name as Nombre
from s_dept d join s_region r
on d.region_id=r.id;`

	ID_DEPARTAMENTO	ID_REGION	NOMBRE
1	10	1	North America
2	31	1	North America
3	32	2	South America
4	33	3	Africa / Middle East
5	34	4	Asia
6	35	5	Europe
7	41	1	North America
8	42	2	South America
9	43	3	Africa / Middle East
10	44	4	Asia
11	45	5	Europe
12	50	1	North America

3. select e.last_name as Apellido, d.id as Id_Departamento, d.name as Nombre
from s_emp e join s_dept d
on dept_id=d.id where e.last_name='Menchu';

	APE...	ID_DEPARTAMENTO	NOMBRE
1	Menchu	42	Operations

4. select r.id as Id_Region, r.name as Nombre_Region, d.id as Id_Departamento, d.name as Nombre_Departamento
from s_region r join s_dept d
on r.id=d.region_id where r.name='North America';

	ID_REGION	NOMBRE_REGION	ID_DEPARTAMENTO	NOMBRE_DEPARTAMENTO
1	1	North America	10	Finance
2	1	North America	31	Sales
3	1	North America	41	Operations
4	1	North America	50	Administration

5. select e.first_name as Nombre, c.id as Id_Cliente, c.name as Nombre_cliente
from s_emp e join s_customer c
on c.sales_rep_id = e.id;

	NOMBRE	ID_CLIENTE	NOMBRE_CLIENTE
1	Colin	214	Ojibway Retail
2	Colin	213	Big John's Sports Emporium
3	Colin	209	Beisbol Si!
4	Colin	204	Womansport
5	Henry	210	Futbol Sonora
6	Henry	201	Unisports
7	Yasmin	212	Hamada Sport
8	Mai	203	Delhi Sports
9	Mai	202	Simms Atheletics
10	Andre	215	Sporta Russia
11	Andre	211	Kuhn's Sports
12	Andre	208	Muench Sports
13	Andre	206	Sportique
14	Andre	205	Kam's Sporting Goods

6. select c.id as Id_Cliente, c.name as Nombre_Cliente, o.id as ID_Orden
from s_customer c left join s_ord o
on o.customer_id = c.id;

	ID_CLIENTE	NOMBRE_CLIENTE	ID_ORDEN
1	204	Womansport	100
2	205	Kam's Sporting Goods	101
3	206	Sportique	102
4	208	Muench Sports	103
5	208	Muench Sports	104
6	209	Beisbol Si!	105
7	210	Futbol Sonora	106
8	211	Kuhn's Sports	107
9	212	Hamada Sport	108
10	213	Big John's Sports Emporium	109
11	214	Ojibway Retail	110
12	204	Womansport	111
13	201	Unisports	97
14	202	Simms Atheletics	98
15	203	Delhi Sports	99
16	210	Futbol Sonora	112
17	215	Sporta Russia	(null)
18	207	Sweet Rock Sports	(null)

7. select distinct (p.name) as Nombre_Producto, i.restock_date as Fecha_restablecimiento
from s_product p join s_inventory i
on i.product_id = p.id;

	NOMBRE_PRODUCTO	FECHA_RESTABLECIMIENTO
1	Pro Ski Boot	(null)
2	Black Hawk Elbow Pads	(null)
3	New Air Pump	(null)
4	Pro Curling Bar	08/02/03
5	Cabrera Bat	(null)
6	Winfield Bat	(null)
7	New Air Pump	07/09/02
8	Junior Soccer Ball	(null)
9	Prostar 20 Pound Weight	(null)
10	Griffey Glove	(null)
11	Alomar Glove	(null)
12	Steinbach Glove	(null)
13	Puckett Bat	12/04/03
14	Ace Ski Boot	(null)
15	Ace Ski Pole	(null)
16	Pro Ski Pole	(null)
17	Prostar 50 Pound Weight	(null)
18	Bunny Boot	(null)
19	Himalaya Tires	(null)
20	Slaker Water Bottle	(null)
21	Chapman Helmet	(null)
22	Bunny Ski Pole	(null)
23	Grand Prix Bicycle	(null)
24	Himalaya Bicycle	(null)

8.

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select e.first_name as Nombre_empleado, d.name as Nombre_Departamento, r.name as
Nombre_Region
from (s_emp e join s_dept d on e.dept_id = d.id ) join s_region r
on d.region_id = r.id;
```

	NOMBRE_EMPLEADO	NOMBRE_DEPARTAMENTO	NOMBRE_REGION
1	Carmen	Administration	North America
2	LaDoris	Operations	North America
3	Midori	Sales	North America
4	Mark	Finance	North America
5	Audry	Administration	North America
6	Molly	Operations	North America
7	Roberta	Operations	South America
8	Ben	Operations	Africa / Middle East
9	Antoinette	Operations	Asia
10	Marta	Operations	Europe
11	Colin	Sales	North America
12	Henry	Sales	South America
13	Yasmin	Sales	Africa / Middle East
14	Mai	Sales	Asia
15	Andre	Sales	Europe
16	Elena	Operations	North America
17	George	Operations	North America
18	Akira	Operations	South America
19	Vikram	Operations	South America
20	Chad	Operations	Africa / Middle East
21	Alexander	Operations	Africa / Middle East
22	Eddie	Operations	Asia
23	Radha	Sales	Asia
24	Bela	Operations	Europe

9. select p.name as "Nombre_Producto", r.name as "Nombre_Region"
from s_region r join s_warehouse w
on w.region_id = r.id join s_inventory i
on i.warehouse_id = w.id join s_product p
on i.product_id = p.id;

	Nombre_Producto	Nombre_Region
1	Bunny Boot	North America
2	Ace Ski Boot	North America
3	Pro Ski Boot	North America
4	Bunny Ski Pole	North America
5	Ace Ski Pole	North America
6	Pro Ski Pole	North America
7	Junior Soccer Ball	North America
8	World Cup Soccer Ball	North America
9	World Cup Net	North America
10	Black Hawk Knee Pads	North America
11	Black Hawk Elbow Pads	North America
12	Grand Prix Bicycle	North America
13	Himalaya Bicycle	North America
14	Grand Prix Bicycle Tires	North America
15	Himalaya Tires	North America
16	New Air Pump	North America
17	Slaker Water Bottle	North America
18	Safe-T Helmet	North America
19	Alexeyer Pro Lifting Bar	North America
20	Pro Curling Bar	North America
21	Prostar 10 Pound Weight	North America
22	Prostar 20 Pound Weight	North America
23	Prostar 50 Pound Weight	North America
24	Prostar 80 Pound Weight	North America

10. select e.first_name as Nombre_Empleado, e.last_name as Apellido_Empleado
from (s_item i join s_ord o on i.ord_id = o.id) join s_customer c
on o.customer_id = c.id join s_emp e
on c.sales_rep_id = e.id
where i.quantity >'500';

	NOMBRE_EMPLEADO	APELLIDO_EMPLEADO
1	Colin	Magee
2	Colin	Magee
3	Colin	Magee
4	Henry	Giljum

11. select e.first_name as Nombre_Empleado, c.name as Nombre_Cliente, r.name as
Nombre_Region
from (s_emp e join s_dept d on e.dept_id = d.id) join s_region r

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on d.region_id = r.id join s_customer c
on r.id=c.region_id;

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	NOMBRE_EMPLEADO	NOMBRE_CLIENTE	NOMBRE_REGION
1	Vikram	Unisports	South America
2	Akira	Unisports	South America
3	Henry	Unisports	South America
4	Roberta	Unisports	South America
5	Radha	Simms Atheletics	Asia
6	Eddie	Simms Atheletics	Asia
7	Mai	Simms Atheletics	Asia
8	Antoinette	Simms Atheletics	Asia
9	Radha	Delhi Sports	Asia
10	Eddie	Delhi Sports	Asia
11	Mai	Delhi Sports	Asia
12	Antoinette	Delhi Sports	Asia
13	George	Womansport	North America
14	Elena	Womansport	North America
15	Colin	Womansport	North America
16	Molly	Womansport	North America
17	Audry	Womansport	North America
18	Mark	Womansport	North America
19	Midori	Womansport	North America
20	LaDoris	Womansport	North America
21	Carmen	Womansport	North America
22	Radha	Kam's Sporting Goods	Asia
23	Eddie	Kam's Sporting Goods	Asia
24	Mai	Kam's Sporting Goods	Asia

```

12. select distinct p.name as Nombre_Producto, (i.amount_in_stock - i.reorder_point) AS
Unidades
from (s_item s join s_product p on s.product_id = p.id) join s_inventory i
on i.product_id = p.id
where (i.amount_in_stock - i.reorder_point)>'130';

```

	NOMBRE_PRODUCTO	UNIDADES
1	Junior Soccer Ball	368
2	Black Hawk Knee Pads	539
3	Alomar Glove	144
4	Cabrera Bat	269
5	Ace Ski Pole	202
6	Himalaya Tires	250
7	Slaker Water Bottle	870
8	Alexeyer Pro Lifting Bar	228
9	Major League Baseball	1030
10	Pro Ski Pole	200
11	Grand Prix Bicycle	500
12	Himalaya Tires	173

13. `select distinct e.first_name || ' ' || e.last_name AS Nombres_Completos
from s_emp e join s_ord o
on e.id = o.sales_rep_id;`

	NOMBRES_COMPLETOS
1	Yasmin Sedeghi
2	Colin Magee
3	Henry Giljum
4	Mai Nguyen
5	Andre Dumas

14. `select e.first_name || ' ' || e.last_name AS Nombres_Completos
from s_emp e left join s_title t
on e.manager_id = t.title
where e.title <> 'Sales Representative';`

	NOMBRES_COMPLETOS
1	Carmen Velasquez
2	LaDoris Ngao
3	Midori Nagayama
4	Mark Quick-To-See
5	Audry Ropeburn
6	Molly Urguhart
7	Roberta Menchu
8	Ben Biri
9	Antoinette Catchpole
10	Marta Havel
11	Elena Maduro
12	George Smith
13	Akira Nozaki
14	Vikram Patel
15	Chad Newman
16	Alexander Markarian
17	Eddie Chang
18	Radha Patel
19	Bela Dancs
20	Sylvie Schwartz

```

15. select distinct e.first_name||' '||e.last_name AS Nombres_Completos,
    c.title as Cargo, c.first_name||' '||c.last_name AS Nombres_Subalterno,
    c.title AS Cargo_del_Subalterno
from s_emp e join s_emp c
on e.id = c.manager_id;

```

	⚡ NOMBRES_COMPLETOS	⚡ CARGO	⚡ NOMBRES_SUBALTERNO	⚡ CARGO_DEL_SUBALTERNO
1	Midori Nagayama	Sales Representative	Yasmin Sedeghi	Sales Representative
2	Roberta Menchu	Stock Clerk	Vikram Patel	Stock Clerk
3	Antoinette Catchpole	Stock Clerk	Radha Patel	Stock Clerk
4	Midori Nagayama	Sales Representative	Colin Magee	Sales Representative
5	Molly Uguhart	Stock Clerk	George Smith	Stock Clerk
6	Roberta Menchu	Stock Clerk	Akira Nozaki	Stock Clerk
7	Marta Havel	Stock Clerk	Bela Dancs	Stock Clerk
8	Midori Nagayama	Sales Representative	Mai Nguyen	Sales Representative
9	Carmen Velasquez	VP, Operations	LaDoris Ngao	VP, Operations
10	Carmen Velasquez	VP, Administration	Audry Ropeburn	VP, Administration
11	LaDoris Ngao	Warehouse Manager	Roberta Menchu	Warehouse Manager
12	LaDoris Ngao	Warehouse Manager	Ben Biri	Warehouse Manager
13	Midori Nagayama	Sales Representative	Henry Giljum	Sales Representative
14	Carmen Velasquez	VP, Finance	Mark Quick-To-See	VP, Finance
15	LaDoris Ngao	Warehouse Manager	Marta Havel	Warehouse Manager
16	Molly Uguhart	Stock Clerk	Elena Maduro	Stock Clerk
17	Ben Biri	Stock Clerk	Chad Newman	Stock Clerk
18	Ben Biri	Stock Clerk	Alexander Markarian	Stock Clerk
19	Carmen Velasquez	VP, Sales	Midori Nagayama	VP, Sales
20	LaDoris Ngao	Warehouse Manager	Antoinette Catchpole	Warehouse Manager
21	Marta Havel	Stock Clerk	Sylvie Schwartz	Stock Clerk
22	LaDoris Ngao	Warehouse Manager	Molly Uguhart	Warehouse Manager
23	Midori Nagayama	Sales Representative	Andre Dumas	Sales Representative
24	Antoinette Catchpole	Stock Clerk	Eddie Chang	Stock Clerk

16. select distinct e.first_name||' '|e.last_name AS Nombres_Apellidos, e.title AS Cargo_Empleados
from s_emp e join s_emp c
on e.id=c.manager_id;

	⚡ NOMBRES_APELLIDOS	⚡ CARGO_EMPLEADOS
1	Midori Nagayama	VP, Sales
2	LaDoris Ngao	VP, Operations
3	Molly Uguhart	Warehouse Manager
4	Roberta Menchu	Warehouse Manager
5	Marta Havel	Warehouse Manager
6	Carmen Velasquez	President
7	Ben Biri	Warehouse Manager
8	Antoinette Catchpole	Warehouse Manager

17. select e.first_name||' '|e.last_name AS Nombres_Completos, c.first_name||' '|c.last_name AS Subalterno
from s_emp e left join s_emp c
on e.id = c.manager_id;

	⚡ NOMBRES_COMPLETOS	⚡ SUBALTERNO
1	Carmen Velasquez	LaDoris Ngao
2	Carmen Velasquez	Midori Nagayama
3	Carmen Velasquez	Mark Quick-To-See
4	Carmen Velasquez	Audry Ropeburn
5	LaDoris Ngao	Molly Urguhart
6	LaDoris Ngao	Roberta Menchu
7	LaDoris Ngao	Ben Biri
8	LaDoris Ngao	Antoinette Catchpole
9	LaDoris Ngao	Marta Havel
10	Midori Nagayama	Colin Magee
11	Midori Nagayama	Henry Giljum
12	Midori Nagayama	Yasmin Sedeghi
13	Midori Nagayama	Mai Nguyen
14	Midori Nagayama	Andre Dumas
15	Molly Urguhart	Elena Maduro
16	Molly Urguhart	George Smith
17	Roberta Menchu	Akira Nozaki
18	Roberta Menchu	Vikram Patel
19	Ben Biri	Chad Newman
20	Ben Biri	Alexander Markarian
21	Antoinette Catchpole	Eddie Chang
22	Antoinette Catchpole	Radha Patel
23	Marta Havel	Bela Dancs
24	Marta Havel	Sylvie Schwartz

18. select e.first_name||' '||e.last_name AS Nombres_Completos, e.title AS Cargo
from s_emp e left join s_emp c
on e.id = c.manager_id
where c.id is null;

	NOMBRES_COMPLETOS	CARGO
1	Andre Dumas	Sales Representative
2	Alexander Markarian	Stock Clerk
3	Akira Nozaki	Stock Clerk
4	Mark Quick-To-See	VP, Finance
5	Radha Patel	Stock Clerk
6	Sylvie Schwartz	Stock Clerk
7	Bela Dancs	Stock Clerk
8	Audry Ropeburn	VP, Administration
9	Henry Giljum	Sales Representative
10	Vikram Patel	Stock Clerk
11	George Smith	Stock Clerk
12	Mai Nguyen	Sales Representative
13	Elena Maduro	Stock Clerk
14	Yasmin Sedeghi	Sales Representative
15	Eddie Chang	Stock Clerk
16	Chad Newman	Stock Clerk
17	Colin Magee	Sales Representative

19. select c.first_name||'|'||c.last_name AS Nombres_Completos, c.title AS Cargo
from s_emp e right join s_emp c
on e.id = c.manager_id
where e.id is null;

	NOMBRES_COMPLETOS	CARGO
1	Carmen Velasquez	President

20. select p.name as Nombre_Producto
from S_product p left join s_inventory i
on p.id = i.product_id
where p.id is null;

	NOMBRE_...
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21. select p.name as Nombre_Producto
from S_product p left join s_item i
on p.id = i.product_id
where i.product_id is null;

	NOMBRE_PRODUCTO
1	Prostar 50 Pound Weight
2	Prostar 20 Pound Weight

22. select distinct r.name as Nombre_Region
 from (s_region r join s_warehouse w on r.id = w.region_id) join s_inventory i
 on w.id = i.warehouse_id left join s_product p
 on i.product_id = p.id
 where p.id <> i.product_id;

Nombre_...

23. El ejercicio 23 se omite debido a que va enfocado a otro tema

24. select distinct e.first_name Nomre_Empleado, e.commission_pct As Comision_Empleado
 from s_emp e left join s_emp c
 on e.id = c.manager_id
 where e.manager_id <> 0;

	NOMRE_EMPLEADO	COMISION_EMPLEADO
1	Akira	(null)
2	Mai	15
3	Elena	(null)
4	Yasmin	10
5	Sylvie	(null)
6	Audry	(null)
7	George	(null)
8	Radha	(null)
9	Chad	(null)
10	Antoinette	(null)
11	Vikram	(null)
12	Bela	(null)
13	Roberta	(null)
14	Ben	(null)
15	Mark	(null)
16	LaDoris	(null)
17	Midori	(null)
18	Colin	10
19	Andre	17,5
20	Alexander	(null)
21	Eddie	(null)
22	Molly	(null)
23	Marta	(null)
24	Henry	12,5