

Añado esta venta para poder comprobar algunos de los ejercicios.

```
insert into ventas values ('S5', 'P3', 100);
```

```
/*1*/
```

```
select snombre as Nombre,  
substring(snombre, 1, 1) as 'Inicial del  
nombre'  
from suministrador;
```

```
mysql> select snombre as Nombre, substring(snombre, 1, 1) as 'Inicial del nombre'  
-> from suministrador;  
+-----+-----+  
| Nombre | Inicial del nombre |  
+-----+-----+  
| Salazar | S |  
| Jaime | J |  
| Bernal | B |  
| Corona | C |  
| Aldana | A |  
| Paco | P |  
| Antonio | A |  
+-----+-----+  
7 rows in set (0.01 sec)
```

```
/*2*/
```

```
select distinct ciudad from suministrador  
union  
select distinct ciudad from producto;
```

```
mysql> select distinct ciudad from suministrador  
-> union  
-> select distinct ciudad from producto;  
+-----+  
| ciudad |  
+-----+  
| Londres |  
| Paris |  
| Atenas |  
| Madrid |  
| Roma |  
+-----+  
5 rows in set (0.00 sec)
```

```
/*3*/
```

```
select S1.Snum, S2.Snum  
from suministrador as S1, suministrador as S2  
where S1.Snum < S2.Snum and S1.ciudad = S2.ciudad;
```

```
mysql> select S1.Snum, S2.Snum  
-> from suministrador as S1, suministrador as S2  
-> where S1.Snum < S2.Snum and S1.ciudad = S2.ciudad;  
+-----+-----+  
| Snum | Snum |  
+-----+-----+  
| S1 | S4 |  
| S1 | S7 |  
| S2 | S3 |  
| S4 | S7 |  
+-----+-----+  
4 rows in set (0.00 sec)
```

```
/*4*/
```

```
select *  
from producto  
where peso = (select min(peso) from producto);
```

```
mysql> select *  
-> from producto  
-> where peso = (select min(peso) from producto);  
+-----+-----+-----+-----+-----+-----+  
| Pnum | Pnombre | Color | Peso | Ciudad | Precio | Unidades |  
+-----+-----+-----+-----+-----+-----+  
| P7 | Tuerca | Verde | 10 | Madrid | 10.00 | 1300 |  
+-----+-----+-----+-----+-----+-----+  
1 row in set (0.00 sec)
```

```
/*5*/
```

```
select Snum, sum(cantidad)  
from ventas  
group by Snum  
order by sum(cantidad) asc limit 1;
```

```
mysql> select Snum, sum(cantidad)  
-> from ventas  
-> group by Snum  
-> order by sum(cantidad) asc limit 1;  
+-----+-----+  
| Snum | sum(cantidad) |  
+-----+-----+  
| S5 | 100 |  
+-----+-----+  
1 row in set (0.00 sec)
```

```
/*6*/
```

```
select S.* from suministrador S, ventas V  
where S.Snum = V.Snum and Pnum in  
(select Pnum from suministrador S, ventas V  
where S.Snum = V.Snum and trim(Snombre) =  
'Aldana')  
and Snombre != 'Aldana';
```

```
mysql> select S.* from suministrador S, ventas V  
-> where S.Snum = V.Snum and Pnum in  
-> (select Pnum from suministrador S, ventas V  
-> where S.Snum = V.Snum and trim(Snombre) = 'Aldana')  
-> and Snombre != 'Aldana';  
+-----+-----+-----+-----+-----+-----+  
| Snum | Snombre | Situacion | Ciudad | FechaContacto | Movil | email |  
+-----+-----+-----+-----+-----+-----+  
| S1 | Salazar | 20 | Londres | 2010-02-05 | 675112224 | salazar20@gmail.com |  
| S3 | Bernal | 30 | Paris | 2010-01-24 | 612854125 | NULL |  
+-----+-----+-----+-----+-----+-----+  
2 rows in set (0.00 sec)
```

/*7 Este no funciona y no tengo ni idea de como solucionarlo en menos de una hora, así que _(ツ)_/

Este se queda cerca pero falla en que Aldana tiene que vender engranes sí o sí*

```
select * from suministrador S
join ventas V on S.Snum = V.Snum
join producto P on P.Pnum = V.Pnum
where V.Pnum in
(select Pnum from suministrador as S, ventas as V
where S.Snum = V.Snum and trim(Snombre) = 'Aldana')
and Pnombre = 'Engrane' and Snombre != 'Aldana';
```

/*8*/

```
select snombre
from suministrador as S join ventas as V
on S.snum = V.snum
group by V.snum
having count(*) = (select count(*) from producto);
```

```
mysql> select snombre
-> from suministrador as S join ventas as V
-> on S.snum = V.snum
-> group by V.snum
-> having count(*) = (select count(*) from producto);
+-----+
| snombre |
+-----+
| Salazar |
+-----+
1 row in set (0.00 sec)
```

/*9*/

```
select snombre
from suministrador
where substring(snombre, -1, 1) in ('a', 'e', 'i', 'o', 'u');
```

```
mysql> select snombre
-> from suministrador
-> where substring(snombre, -1, 1) in ('a', 'e', 'i', 'o', 'u');
+-----+
| snombre |
+-----+
| Jaime   |
| Corona  |
| Aldana  |
| Paco    |
| Antonio |
+-----+
5 rows in set (0.00 sec)
```

/*10*/

```
select snombre, min(cantidad), max(cantidad)
from suministrador as S, ventas as V
where V.Snum = S.Snum
group by snombre;
```

```
mysql> select snombre, min(cantidad), max(cantidad)
-> from suministrador as S, ventas as V
-> where V.Snum = S.Snum
-> group by snombre;
+-----+-----+-----+
| snombre | min(cantidad) | max(cantidad) |
+-----+-----+-----+
| Salazar | 100           | 500           |
| Jaime   | 300           | 400           |
| Antonio | 10            | 100           |
| Bernal  | 50            | 200           |
| Corona  | 200           | 300           |
| Aldana  | 100           | 100           |
+-----+-----+-----+
6 rows in set (0.00 sec)
```

/*11*/

```
select distinct snombre
from suministrador as S, ventas as V
where V.Snum = S.Snum and V.Snum not in
(select snum from ventas where Pnum = 'P2');
```

```
mysql> select distinct snombre
-> from suministrador as S, ventas as V
-> where V.Snum = S.Snum and V.Snum not in
-> (select snum from ventas where Pnum = 'P2');
+-----+
| snombre |
+-----+
| Aldana  |
+-----+
1 row in set (0.00 sec)
```

/*12*/

```
select snombre
from suministrador
where substring(snombre, 2, 1) in ('a');
```

```
mysql> select snombre
-> from suministrador
-> where substring(snombre, 2, 1) in ('a');
+-----+
| snombre |
+-----+
| Salazar |
| Jaime   |
| Paco    |
+-----+
3 rows in set (0.00 sec)
```

```
/*13*/
insert into producto (Pnum, Pnombre, Color, Peso, Ciudad)
values ('P9', 'Tornillo', 'Rosa', '14', 'Madrid');
```

```
/*14*/
insert into producto (Pnum, Pnombre, Color, Peso, Ciudad)
values ('P10', 'Alicates', 'Negro', NULL, 'Madrid');
```

```
/*15*/
update producto
set color = 'Amarillo', peso = peso + 5, ciudad = NULL
where Pnum='P9';
```

```
/*16*/
update suministrador
set situacion = situacion * 2;
```

```
/*17*/
update ventas, suministrador
set cantidad = 0
where ventas.Snum = suministrador.Snum and ciudad = 'Londres';
```

```
mysql> insert into producto (Pnum, Pnombre, Color, Peso, Ciudad)
-> values ('P9', 'Tornillo', 'Rosa', '14', 'Madrid');
Query OK, 1 row affected (0.01 sec)

mysql> insert into producto (Pnum, Pnombre, Color, Peso, Ciudad)
-> values ('P10', 'Alicates', 'Negro', NULL, 'Madrid');
Query OK, 1 row affected (0.01 sec)

mysql> select * from producto;
+-----+-----+-----+-----+-----+-----+-----+
| Pnum | Pnombre | Color | Peso | Ciudad | Precio | Unidades |
+-----+-----+-----+-----+-----+-----+-----+
| P1   | Tuerca  | Rojo  | 12   | Londres | 3.00   | 1500     |
| P10  | Alicates | Negro | NULL | Madrid  | NULL   | NULL     |
| P2   | Perno   | Verde | 17   | Paris   | 5.00   | 1300     |
| P3   | Birlo   | Azul  | 17   | Roma    | 10.00  | 1400     |
| P4   | Birlo   | Rojo  | 14   | Londres | 11.00  | 2000     |
| P5   | Leva    | Azul  | 12   | Paris   | 50.00  | 1400     |
| P6   | Engrane | Rojo  | 19   | Londres | 20.00  | 1100     |
| P7   | Tuerca  | Verde | 10   | Madrid  | 10.00  | 1300     |
| P8   | Torno   | Negro | 60   | Madrid  | 90.00  | 1200     |
| P9   | Tornillo | Rosa  | 14   | Madrid  | NULL   | NULL     |
+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)
```

```
mysql> update producto
-> set color = 'Amarillo', peso = peso + 5, ciudad = NULL
-> where Pnum='P9';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from producto where pnum='P9';
+-----+-----+-----+-----+-----+-----+-----+
| Pnum | Pnombre | Color   | Peso | Ciudad | Precio | Unidades |
+-----+-----+-----+-----+-----+-----+-----+
| P9   | Tornillo | Amarillo | 19   | NULL   | NULL   | NULL     |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select * from suministrador;
+-----+-----+-----+-----+-----+-----+-----+
| Snum | Snombre | Situacion | Ciudad | FechaContacto | Movil | email |
+-----+-----+-----+-----+-----+-----+-----+
| S1   | Salazar | 20        | Londres | 2010-02-05    | 675112224 | salazar20@gmail.com |
| S2   | Jaime  | 10        | Paris   | 2000-10-05    | 642852123 | jaimel0@gmail.com |
| S3   | Bernal | 30        | Paris   | 2010-01-24    | 612854125 | NULL |
| S4   | Corona | 20        | Londres | 1995-05-25    | 689541254 | corona20@gmail.com |
| S5   | Aldana | 30        | Atenas  | 2015-10-25    | 698541236 | aldana30@gmail.com |
| S6   | Paco   | 30        | Madrid  | 2010-10-12    | 684125366 | NULL |
| S7   | Antonio | 10        | Londres | 2011-05-03    | 689541123 | NULL |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> update suministrador
-> set situacion = situacion * 2
-> where ciudad = 'Londres';
Query OK, 3 rows affected (0.00 sec)
Rows matched: 3 Changed: 3 Warnings: 0

mysql> select * from suministrador;
+-----+-----+-----+-----+-----+-----+-----+
| Snum | Snombre | Situacion | Ciudad | FechaContacto | Movil | email |
+-----+-----+-----+-----+-----+-----+-----+
| S1   | Salazar | 40        | Londres | 2010-02-05    | 675112224 | salazar20@gmail.com |
| S2   | Jaime  | 10        | Paris   | 2000-10-05    | 642852123 | jaimel0@gmail.com |
| S3   | Bernal | 30        | Paris   | 2010-01-24    | 612854125 | NULL |
| S4   | Corona | 40        | Londres | 1995-05-25    | 689541254 | corona20@gmail.com |
| S5   | Aldana | 30        | Atenas  | 2015-10-25    | 698541236 | aldana30@gmail.com |
| S6   | Paco   | 30        | Madrid  | 2010-10-12    | 684125366 | NULL |
| S7   | Antonio | 20        | Londres | 2011-05-03    | 689541123 | NULL |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> update ventas, suministrador
-> set cantidad = 0
-> where ventas.Snum = suministrador.Snum and ciudad = 'Londres';
Query OK, 13 rows affected (0.01 sec)
Rows matched: 13 Changed: 13 Warnings: 0

mysql> select * from ventas;
+-----+-----+-----+
| Snum | Pnum | Cantidad |
+-----+-----+-----+
| S1   | P1   | 0         |
| S7   | P1   | 0         |
| S1   | P2   | 0         |
| S2   | P2   | 400       |
| S3   | P2   | 200       |
| S4   | P2   | 0         |
| S7   | P2   | 0         |
| S1   | P3   | 0         |
| S3   | P3   | 50        |
| S5   | P3   | 100       |
| S1   | P4   | 0         |
| S4   | P4   | 0         |
| S7   | P4   | 0         |
| S1   | P5   | 0         |
| S1   | P6   | 0         |
| S1   | P7   | 0         |
| S1   | P8   | 0         |
+-----+-----+-----+
18 rows in set (0.00 sec)
```

```
/*18*/
delete from ventas
where cantidad > 300;
```

```
mysql> delete from ventas
-> where cantidad > 300;
Query OK, 1 row affected (0.01 sec)

mysql> select * from ventas;
+-----+-----+-----+
| Snum | Pnum | Cantidad |
+-----+-----+-----+
| S1   | P1   | 0        |
| S2   | P1   | 300      |
| S7   | P1   | 0        |
| S1   | P2   | 0        |
| S3   | P2   | 200      |
| S4   | P2   | 0        |
| S7   | P2   | 0        |
| S1   | P3   | 0        |
| S3   | P3   | 50       |
| S5   | P3   | 100      |
| S1   | P4   | 0        |
| S4   | P4   | 0        |
| S7   | P4   | 0        |
| S1   | P5   | 0        |
| S1   | P6   | 0        |
| S1   | P7   | 0        |
| S1   | P8   | 0        |
+-----+-----+-----+
17 rows in set (0.00 sec)
```

```
/*19*/
delete from ventas
where snum in (select snum
               from suministrador
               where ciudad = 'Londres');
```

```
mysql> delete from ventas
-> where snum in (select snum
->                  from suministrador
->                  where ciudad = 'Londres');
Query OK, 13 rows affected (0.01 sec)

mysql> select * from ventas;
+-----+-----+-----+
| Snum | Pnum | Cantidad |
+-----+-----+-----+
| S2   | P1   | 300      |
| S3   | P2   | 200      |
| S3   | P3   | 50       |
| S5   | P3   | 100      |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
/*20*/
delete from ventas;
```

```
mysql> delete from ventas;
Query OK, 4 rows affected (0.01 sec)

mysql> select * from ventas;
Empty set (0.00 sec)
```

Como nota a parte, es curioso como copiar el código de VSCode también copia el formato de la IDE