-- 1

```
select city
from agents
where aid in (select aid
        from orders
        where cid = 'c006'
        );
```

Data Output	Explain
☐ city text	
☐ New York	
☐ Tokyo	
☐ Dallas	

-- 2

```
select distinct pid
from orders
where aid in (select aid
        from orders
        where cid = (select cid
                        from customers
                        where city = 'Kyoto')
        )
order by pid DESC;
```

pid character
p07
p05
p04
p03
p01

-- 3

```
select cid, name
from customers
where cid not in (select cid
        from orders
        where aid = 'a01'
            );
```

cid character	name text
c002	Tyrell
c003	Allied
c004	ACME
c005	Weyland

-- 4

```
select cid
from orders
where pid in ('p01','p07')
group by cid
having count(pid) = 2;
```

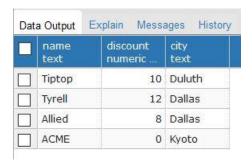| cid character	
c001	

-- 5

select distinct pid

from orders

where cid not in (select cid

        from orders

        where aid = 'a08'

)

order by pid DESC;

Data Output	Explain
pid character	
p07	
p06	
p05	
p04	
p03	
p02	
p01	

-- 6

select name, discount, city

from customers

where cid in (select cid

        from orders

        where aid in (select aid

                from agents

                where city in ('Tokyo', 'New York')

)

        );

name text	discount numeric ...	city text
Tiptop	10	Duluth
Tyrell	12	Dallas
Allied	8	Dallas
ACME	0	Kyoto

-- 7

select *

from customers

where city not in ('Duluth', 'London')

and discount in (select discount

        from customers

        where city in ('Duluth', 'London')

        );

cid character	name text	city text	discount numeric ...	