

## Lab 5 – Kathy Coomes

```
1  select agents.city
2  from agents,
3       customers,
4       orders
5  where orders.cid = customers.cid
6        and orders.aid = agents.aid
7        and customers.cid = 'c006';
8  ---
9  select agents.city
10 from agents inner join orders on orders.aid = agents.aid
11        inner join customers on orders.cid = customers.cid
12 where customers.cid = 'c006';
13
```

Data Output Explain Messages History

<input type="checkbox"/>	city text
<input type="checkbox"/>	New York
<input type="checkbox"/>	Tokyo
<input type="checkbox"/>	Dallas

Number 1

```
1  select distinct o1.pid
2  from orders o1 inner join orders o2 on o1.aid = o2.aid
3       inner join customers c on o2.cid = c.cid
4  where c.city = 'Kyoto'
5  order by o1.pid desc;
6
```

Data Output Explain Messages History

<input type="checkbox"/>	pid character
<input type="checkbox"/>	p07
<input type="checkbox"/>	p05
<input type="checkbox"/>	p04
<input type="checkbox"/>	p03
<input type="checkbox"/>	p01

Number 2

```

1  select customers.name
2  from customers
3  where customers.cid not in
4      (select orders.cid
5       from orders
6       );
7
8  select customers.name
9  from customers left outer join orders on customers.cid = orders.cid
10 where customers.cid not in
11     (select orders.cid
12      from orders
13      );

```

Data Output	Explain	Messages	History
<input type="checkbox"/> name text			
<input type="checkbox"/> Weyland			

Number 3

```

1  select c.name
2  from customers c left outer join orders o on c.cid = o.cid
3  where o.cid is null;
4
5

```

Data Output	Explain	Messages	History
<input type="checkbox"/> name text			
<input type="checkbox"/> Weyland			

Number 4

```

3  select distinct c.name as "customer",
4                a.name as "agent"
5  from orders o inner join customers c on o.cid = c.cid
6                inner join agents a on o.aid = a.aid
7  where c.city = a.city
8  order by c.name;
9

```

Data Output	Explain	Messages	History
<input type="checkbox"/> customer text	<input type="checkbox"/> agent text		
<input type="checkbox"/> Tiptop	Otasi		

Number 5

```

3 select distinct c.name as "customer",
4                 c.city as "customer city",
5                 a.name as "agent",
6                 a.city as "agent city"
7 from orders o1 inner join orders o2 on o1.cid = o2.cid
8                 inner join customers c on o1.cid = c.cid
9                 inner join agents a on o1.aid = o1.aid
10 where c.city = a.city
11 order by c.name;
12

```

Data Output		Explain	Messages	History	
<input type="checkbox"/>	customer text	customer city text	agent text	agent city text	
<input type="checkbox"/>	ACME	Duluth	Otasi	Duluth	
<input type="checkbox"/>	Allied	Dallas	Smith	Dallas	
<input type="checkbox"/>	Tiptop	Duluth	Otasi	Duluth	
<input type="checkbox"/>	Tyrell	Dallas	Smith	Dallas	

Number 6

```

1 -- Lab 5 - Number 7 - Kathy Coomes - 02/16/17
2 -- per Tien no specific method was specified
3
4 select distinct c.name,
5                 c.city
6 from customers c
7 where c.city =
8         (select p.city
9          from products p
10         group by p.city
11         order by count(p.city)
12         limit 1
13        )
14 order by c.name asc;
15
16
17
18

```

Data Output	Explain	Messages	History
<input type="checkbox"/>	name text	city text	
<input type="checkbox"/>	ACME	Duluth	
<input type="checkbox"/>	Tiptop	Duluth	

Number 7

