

CAP4 on postgres@PostgreSQL 9.6

```
1  -- Deborah Sylvester
2  -- Feb 17, 2017
3  -- Lab 5
4
5
6  -- Question 1
7
8  select city
9  from agents a,
10       orders o
11  where o.aid = a.aid
12        and o.cid = 'c006'
13  order by city ASC;
14
15
16  -- Question 2
17
18  select distinct pid
19  from orders o,
20       customers c
21  where o.cid = c.cid
22        and city = 'Kyoto'
23  .
```

Data Output Explain Messages History

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

```

10 orders o
11 where o.aid = a.aid
12 and o.cid = 'c006'
13 order by city ASC;
14
15
16 -- Question 2
17
18 select distinct pid
19 from orders o,
20      customers c
21 where o.cid = c.cid
22 and city = 'Kyoto'
23 ;
24
25
26 -- Question 3
27
28 select name
29 from customers
30 where cid not in (select cid
31                  from orders
32                  )

```

Data Output Explain Messages History

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

No limit

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28 select name

29 from customers

30 where cid not in (select cid

31 from orders

32)

33 ;

34

35 -- Question 4

36

37 select c.name

38 from customers c left outer join orders o

39 on c.cid = o.cid

40 where ordNumber is null;

41

42

43 -- Question 5

44

45 select distinct c.name,

46 a.name

47 from customers c,

48 orders o,

49 agents a

50 where c.cid = a.cid

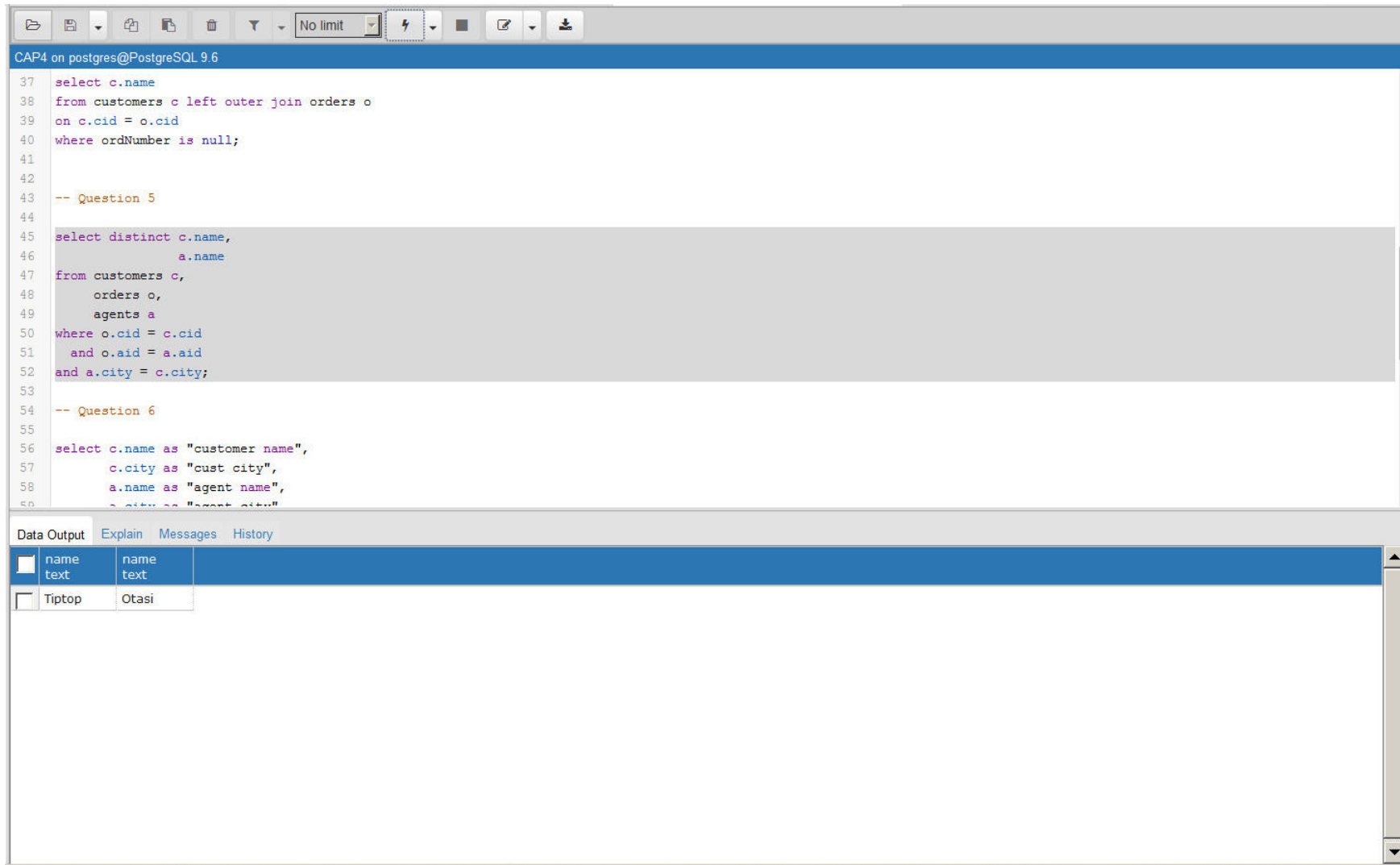
Data Output

Explain

Messages

History

<input type="checkbox"/>	name	
	text	
<input type="checkbox"/>	Weyland	



      No limit    

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```
49     agents a
50 where o.cid = c.cid
51     and o.aid = a.aid
52 and a.city = c.city;
53
54 -- Question 6
55
56 select c.name as "customer name",
57        c.city as "cust city",
58        a.name as "agent name",
59        a.city as "agent city"
60 from customers c inner join agents a
61 on c.city = a.city
62 order by c.city;
63
64 -- Question 7
65
66 select p.city as "product city",
67        p.name as "product name"
68 from products p inner join customers c on c.city = p.city
69 group by p.city
70 -- order by count (*)ASC city
71 limit 4
```

Data Output [Explain](#) [Messages](#) [History](#)

<input type="checkbox"/>	custome... text	cust city text	agent n... text	agent city text
<input type="checkbox"/>	Tyrell	Dallas	Smith	Dallas
<input type="checkbox"/>	Allied	Dallas	Smith	Dallas
<input type="checkbox"/>	Tiptop	Duluth	Otasi	Duluth
<input type="checkbox"/>	ACME	Duluth	Otasi	Duluth

