

Lab 4 Screenshots

The screenshot shows a SQL IDE interface. The top pane contains two SQL queries. Query 1 is a SELECT statement that retrieves the city from the Agents table, filtered by aid values found in the Orders table where cid is 'c006'. Query 2 is a SELECT DISTINCT statement that retrieves the pid from the Orders table. The bottom pane, titled 'Output pane', has three tabs: 'Data Output', 'Explain', and 'Messages'. The 'Data Output' tab is active, displaying a table with three rows of results.

```
--1
SELECT city
FROM Agents
WHERE aid in
      (SELECT aid
       FROM Orders
       WHERE cid ='c006');

--2
SELECT DISTINCT pid
FROM Orders
```

Output pane

	city text	
1	Tokyo	
2	Dallas	
3	New York	

```
--2
SELECT DISTINCT pid
FROM Orders
WHERE aid in
    (SELECT aid
     FROM Orders
     WHERE cid in
        (SELECT cid
         FROM Customers
         WHERE city = 'Kyoto'))
ORDER BY pid DESC;

--3
```

Output pane

Data Output		Explain	Messages	History
	pid character(3)			
1	p07			
2	p05			
3	p04			
4	p03			
5	p01			

```
--3
SELECT cid, name
FROM Customers
WHERE cid not in
      (SELECT cid
       FROM Orders
       WHERE aid = 'a01');

--4
SELECT cid
```

Output pane			
Data Output		Explain	Messages
	cid character(4)	name text	
1	c002	Tyrell	
2	c003	Allied	
3	c004	ACME	
4	c005	Weyland	

```
--4
SELECT cid
FROM Customers
WHERE cid in
      (Select cid
       FROM Orders
       WHERE pid = 'p01' AND pid = 'p07');
--5
```

Output pane

Data Output			Explain	Messages	History
	cid	character(4)			

```
--5
SELECT DISTINCT pid
FROM Orders
WHERE cid not in
    (SELECT cid
     FROM Orders
     WHERE aid = 'a08')
ORDER BY pid DESC;

--6
```

Output pane		
Data Output		
Explain		
Messages		
His		
	pid character(3)	
1	p07	
2	p06	
3	p05	
4	p04	
5	p03	
6	p02	
7	p01	

```
--6
SELECT name, discount, city
FROM Customers
WHERE cid in
    (SELECT cid
     From Orders
     WHERE aid in
        (SELECT aid
         FROM Agents
         WHERE city = 'Tokyo' OR city = 'New York'))
);

--7
```

Output pane

	Data Output	Explain	Messages	History
	name text	discount numeric(5,2)	city text	
1	Tiptop	10.00	Duluth	
2	Tyrell	12.00	Dallas	
3	Allied	8.00	Dallas	
4	ACME	0.00	Kyoto	

```
--7
SELECT *
FROM Customers
WHERE discount in
    (SELECT discount
     FROM Customers
     WHERE city = 'Duluth' OR city = 'London');
```

Output pane

	cid character(4)	name text	city text	discount numeric(5,2)
1	c001	Tiptop	Duluth	10.00
2	c004	ACME	Duluth	8.50