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Lab 3 Screenshots

The screenshot displays the pgAdmin 4 web interface. On the left, the 'Browser' pane shows a tree structure of database objects for a PostgreSQL 9.6 server. The 'Databases (2)' folder is expanded, showing 'CAP' and 'postgres'. The 'CAP' database is selected, and its 'Schemas (1)' folder is expanded, showing the 'public' schema. The 'postgres' database is also visible. The main pane shows the 'Query Editor' for the 'CAP' database. The query text is as follows:

```
1  -- Query 1 --
2  select ordNumber, totalUSD
3  from Orders;
4
5  -- Query 2 --
6  select name, city
```

The 'Data Output' tab is active, showing the results of the first query. The results are displayed in a table with two columns: 'ordnumber' (integer) and 'totalusd' (numeric). The table contains 16 rows of data.

ordnumber integer	totalusd numeric ...
1011	450
1012	880
1015	1104
1016	500
1017	540
1018	540
1019	180
1020	600
1021	460
1022	720
1023	450
1024	400
1025	720
1026	744

pgAdmin 4 File Object Tools Help

Browser

- Servers (1)
 - PostgreSQL 9.6
 - Databases (2)
 - CAP
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Schemas (1)
 - public
 - postgres
 - Login/Group Roles
 - Tablespaces

Query 5

AP on postgres@PostgreSQL 9.6

```
1 -- Query 1 --
2 select ordNumber, totalUSD
3 from Orders;
4
5 -- Query 2 --
6 select name, city
7 from agents
8 where aid in ('a01');
9
10 -- Query 3 --
```

Data Output Explain Messages History

	name text	city text
<input type="checkbox"/>	Smith	New York

. 9.6
ies (2)

Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Schemas (1)

- public

- gres
- roup Roles
- aces

AP on postgres@PostgreSQL 9.6

```
10 -- Query 3 --
11 select pid, name, priceUSD
12 from products
13 where quantity>200100;
14
15 -- Query 4 --
16 select name, city
17 from customers
18 where city in ('Duluth');
19
```

Data Output Explain Messages History

	pid character	name text	priceusd numeric ...
<input type="checkbox"/>	p02	brush	0.5
<input type="checkbox"/>	p05	pencil	1
<input type="checkbox"/>	p08	eraser	1.25

pgAdmin 4 File Object Tools Help

Browser

Servers (1)

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 - Tablespaces

Query 5

SQL

```
14
15
16 -- Query 4 --
17 select name, city
18 from customers
19 where city in ('Duluth');
20
21 -- Query 5--
22 select name
23 from agents
24 where city not in ('New York','Duluth');
```

Data Output Explain Messages History

	pid	character	name	text	priceusd	numeric ...
<input type="checkbox"/>	p02		brush		0.5	
<input type="checkbox"/>	p05		pencil		1	
<input type="checkbox"/>	p08		eraser		1.25	

pgAdmin 4 File Object Tools Help

Browser

Servers (1)

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Query 5

SQL

```
18 where city in ('Duluth');
19
20 -- Query 5--
21 select name
22 from agents
23 where city not in ('New York','Duluth');
```

Data Output Explain Messages History

	name	text
<input type="checkbox"/>	Jones	
<input type="checkbox"/>	Perry	
<input type="checkbox"/>	Smith	
<input type="checkbox"/>	Bond	

pgAdmin 4 File Object Tools Help

Server (1)
PostgreSQL 9.6
Databases (2)
CAP
Casts
Catalogs
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public
postgres
Login/Group Roles
Tablespaces

Query-5

```

23 where city not in ('New York','Duluth');
24
25 -- Query 6 --
26 select pid, name, city, quantity, priceUSD
27 from products
28 where city not in ('Duluth','Dallas') and priceUSD >= 1;
29
30 -- Query 7 --
31 select ordNumber, month, cid, aid, pid, qty, totalUSD
32 from orders

```

Data Output Explain Messages History

pid	name	city	quantity	priceUSD
p07	case	Newark	100500	1
p08	eraser	Newark	200600	1.25

pgAdmin 4 File Object Tools Help

Browser

Server (1)
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Databases (2)
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Login/Group Roles
Tablespaces

Query-5

```

26 select pid, name, city, quantity, priceUSD
27 from products
28 where city not in ('Duluth','Dallas') and priceUSD >= 1;
29
30 -- Query 7 --
31 select ordNumber, month, cid, aid, pid, qty, totalUSD
32 from orders
33 where month in ('Feb','May');
34
35 -- Query 8 --
36 select ordNumber, month, cid, aid, pid, qty, totalUSD

```

Data Output Explain Messages History

ordnumber	month	cid	aid	pid	qty	totalUSD
1017	Feb	c001	a06	p03	600	540
1018	Feb	c001	a03	p04	600	540
1019	Feb	c001	a02	p02	400	180
1020	Feb	c006	a03	p07	600	600
1021	Feb	c004	a06	p01	1000	460
1026	May	c002	a05	p03	800	744

pgAdmin 4 File Object Tools Help

Browser

Servers (1)

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Query 5

AP on postgres@PostgreSQL 9.6

```
34
35 -- Query 8 --
36 select ordNumber, month, cid, aid, pid, qty, totalUSD
37 from orders
38 where month in ('Feb') and totalUSD >= 600;
39
40 -- Query 9 --
41 select ordNumber
42 from orders
43 where cid in ('C005');
```

Data Output Explain Messages History

	ordnumber	month	cid	aid	pid	qty	totalusd
	integer	character	character	character	character	integer	numeric ...
	1020	Feb	c006	a03	p07	600	600

Databases (2)

- CAP
 - Casts
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 - Schemas (1)
 - public
- postgres

AP on postgres@PostgreSQL 9.6

```
34
35 -- Query 8 --
36 select ordNumber, month, cid, aid, pid, qty, totalUSD
37 from orders
38 where month in ('Feb') and totalUSD >= 600;
39
40 -- Query 9 --
41 select ordNumber
42 from orders
43 where cid in ('C005');
```

Data Output Explain Messages History

	ordnumber
	integer