

Cristian Hernandez

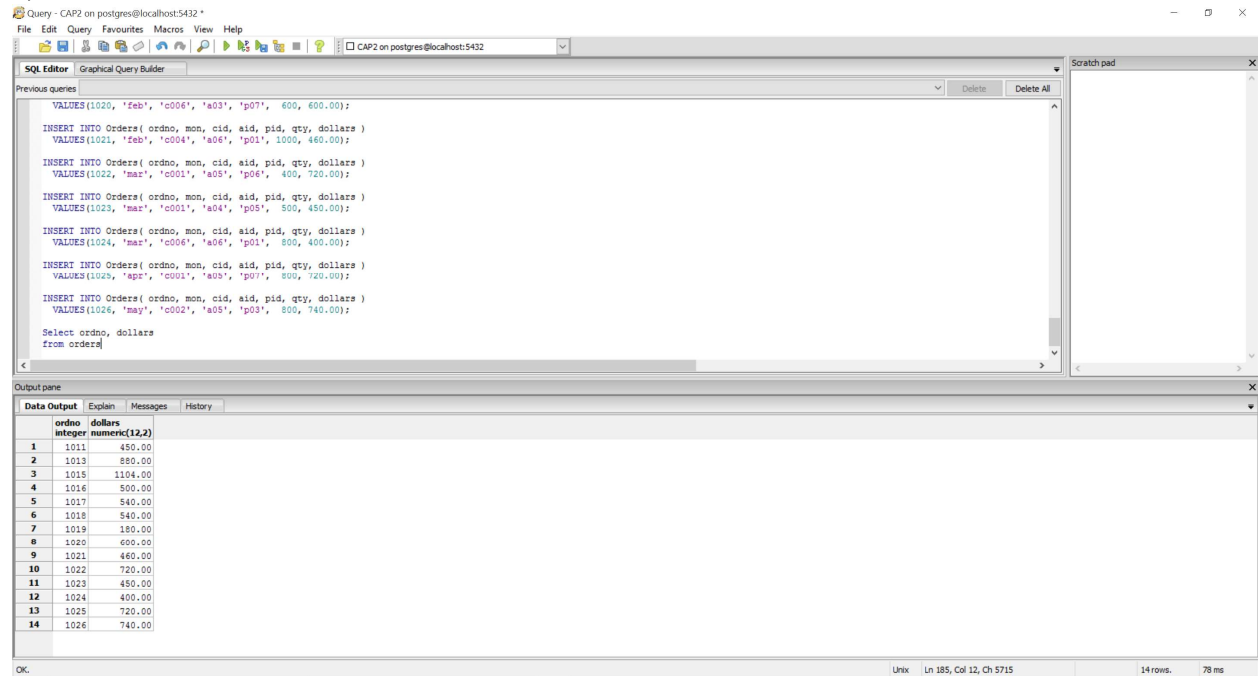
Database Management

Professor Rivas

February 9, 2016

Lab 3

1)



The screenshot shows a PostgreSQL SQL Editor window titled "Query - CAP2 on postgres@localhost:5432". The SQL Editor contains the following queries:

```
VALUES(1020, 'Feb', 'c006', 'a03', 'p07', 600, 600.00);  
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )  
VALUES(1021, 'Feb', 'c004', 'a06', 'p01', 1000, 460.00);  
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )  
VALUES(1022, 'mar', 'c001', 'a05', 'p06', 400, 720.00);  
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )  
VALUES(1023, 'mar', 'c001', 'a04', 'p05', 500, 450.00);  
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )  
VALUES(1024, 'mar', 'c006', 'a06', 'p01', 800, 400.00);  
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )  
VALUES(1025, 'apr', 'c001', 'a05', 'p07', 800, 720.00);  
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )  
VALUES(1026, 'may', 'c002', 'a05', 'p03', 800, 740.00);  
  
Select ordno, dollars  
from orders
```

The Output pane shows the results of the SELECT query, displaying 14 rows of data:

ordno	dollars
1	1011 450.00
2	1013 580.00
3	1015 1104.00
4	1016 500.00
5	1017 540.00
6	1018 540.00
7	1019 180.00
8	1020 600.00
9	1021 460.00
10	1022 720.00
11	1023 450.00
12	1024 400.00
13	1025 720.00
14	1026 740.00

The status bar at the bottom indicates "14 rows. 78 ms".

2)

Query - CAP2 on postgres@localhost:5432 *

File Edit Query Favorites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries [Delete] [Delete All]

Scratch pad

```
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1022, 'mar', 'c001', 'a05', 'p06', 400, 720.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1023, 'mar', 'c001', 'a04', 'p05', 500, 450.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1024, 'mar', 'c006', 'a06', 'p01', 800, 400.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1025, 'apr', 'c001', 'a03', 'p07', 800, 720.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1026, 'may', 'c002', 'a05', 'p03', 800, 740.00);

--Select ordno, dollars
--from orders

Select *
From Agents
Where name = 'Smith'
```

Output pane

	aid	name	city	percent
	character(3)	text	text	real
1	a01	Smith	New York	6
2	a06	Smith	Dallas	5

OK. Unix Ln 189, Col 21, Ch 5762 2 rows. 64 ms

3)

Query - CAP2 on postgres@localhost:5432 *

File Edit Query Favorites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries [Delete] [Delete All]

Scratch pad

```
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1023, 'mar', 'c001', 'a04', 'p05', 500, 450.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1024, 'mar', 'c006', 'a06', 'p01', 800, 400.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1025, 'apr', 'c001', 'a03', 'p07', 800, 720.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1026, 'may', 'c002', 'a05', 'p03', 800, 740.00);

--Select ordno, dollars
--from orders

--Select *
--From Agents
--Where name = 'Smith'

Select pid, name, priceUSD
From Products
Where quantity > 200000
```

Output pane

	pid	name	priceusd
	character(3)	text	numeric(10,2)
1	p05	pencil	1.00

OK. Unix Ln 191, Col 19, Ch 5788 1 row. 63 ms

4)

Query - CAP2 on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries

```
VALUES(1024, 'mar', 'c006', 'a06', 'p01', 800, 400.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1025, 'apc', 'c001', 'a05', 'p07', 800, 720.00);

INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1026, 'may', 'c002', 'a05', 'p03', 800, 740.00);

--Select ordno, dollars
--from orders

--Select *
--From Agents
--Where name = 'Smith'

--Select pid, name, priceUSD
--From Products
--Where quantity > 200000

Select name, city
From Customers
Where city = 'Dallas'
```

Output pane

Data Output Explain Messages History

	name	city
	text	text
1	Basics	Dallas
2	Allied	Dallas

OK Unix Ln 197, Col 22, Ch 5897 2 rows. 62 ms

5)

Query - CAP2 on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries

```
INSERT INTO Orders( ordno, mon, cid, aid, pid, qty, dollars )
VALUES(1026, 'may', 'c002', 'a05', 'p03', 800, 740.00);

--Select ordno, dollars
--from orders

--Select *
--From Agents
--Where name = 'Smith'

--Select pid, name, priceUSD
--From Products
--Where quantity > 200000

--Select name, city
--From Customers
--Where city = 'Dallas'

Select name
From Agents
Where city NOT IN ('New York', 'Tokyo')
```

Output pane

Data Output Explain Messages History

	name
	text
1	Jones
2	Ocasio
3	Smith
4	Bond

OK Unix Ln 201, Col 18, Ch 5946 4 rows. 62 ms

6)

Query - CAP2 on postgres@localhost:5432 *

File Edit Query Favorites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries: [Delete] [Delete All]

```
--Select ordno, dollars
--from orders

--Select *
--From Agents
--Where name = 'Smith'

--Select pid, name, priceUSD
--From Products
--Where quantity > 200000

--Select name, city
--From Customers
--Where city = 'Dallas'

--Select name
--From Agents
--Where city NOT in ('New York', 'Tokyo')

Select *
From Products
Where city NOT in ('Dallas', 'Duluth') AND priceUSD >= 1
```

Output pane

Data Output Explain Messages History

	pid character(3)	name text	city text	quantity integer	priceusd numeric(10,2)
1	p07	case	newark	100500	1.00
2	p08	clip	newark	200600	1.25

OK. Unix Ln 205, Col 44, Ch 6043 2 rows. 63 ms

7)

Query - CAP2 on postgres@localhost:5432 *

File Edit Query Favorites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries: [Delete] [Delete All]

```
--From Agents
--Where name = 'Smith'

--Select pid, name, priceUSD
--From Products
--Where quantity > 200000

--Select name, city
--From Customers
--Where city = 'Dallas'

--Select name
--From Agents
--Where city NOT in ('New York', 'Tokyo')

--Select *
--From Products
--Where city NOT in ('Dallas', 'Duluth') AND priceUSD >= 1

Select *
From Orders
Where mon in ('jan', 'mar')
```

Output pane

Data Output Explain Messages History

	ordno integer	mon character(3)	cid character(4)	aid character(3)	pid character(3)	qty integer	dollars numeric(12,2)
1	1011	jan	c001	a01	p01	1000	450.00
2	1013	jan	c002	a03	p03	1000	880.00
3	1015	jan	c003	a03	p05	1200	1104.00
4	1016	jan	c006	a01	p01	1000	500.00
5	1022	mar	c001	a05	p06	400	720.00
6	1023	mar	c001	a04	p05	500	450.00
7	1024	mar	c006	a06	p01	800	400.00

OK. Unix Ln 209, Col 28, Ch 6113 7 rows. 41 ms

8)

Query - CAP2 on postgres@localhost:5432 *

File Edit Query Favorites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries

```
--From Products
--Where quantity > 208000

--Select name, city
--From Customers
--Where city = 'Dallas'

--Select name
--From Agents
--Where city NOT in ('New York', 'Tokyo')

--Select *
--From Products
--Where city NOT in ('Dallas', 'Duluth') AND priceUSD >= 1

--Select *
--From Orders
--Where mon in ('jan', 'mar')

Select *
From Orders
Where mon in ('feb') AND dollars < 500
```

Output pane

Data Output Explain Messages History

	ordno integer	mon character(3)	cid character(4)	aid character(3)	pid character(3)	qty integer	dollars numeric(12,2)
1	1019	Feb	c001	a02	p02	400	180.00
2	1021	Feb	c004	a06	p01	1000	460.00

OK Unix Ln 213, Col 39, Ch 6180 2 rows. 62 ms

9)

Query - CAP2 on postgres@localhost:5432 *

File Edit Query Favorites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries

```
--From Customers
--Where city = 'Dallas'

--Select name
--From Agents
--Where city NOT in ('New York', 'Tokyo')

--Select *
--From Products
--Where city NOT in ('Dallas', 'Duluth') AND priceUSD >= 1

--Select *
--From Orders
--Where mon in ('jan', 'mar')

--Select *
--From Orders
--Where mon in ('feb') AND dollars < 500

Select *
From Orders
Where cid = 'C005'
```

Output pane

Data Output Explain Messages History

	ordno integer	mon character(3)	cid character(4)	aid character(3)	pid character(3)	qty integer	dollars numeric(12,2)
--	------------------	---------------------	---------------------	---------------------	---------------------	----------------	--------------------------

OK Unix Ln 217, Col 19, Ch 6228 0 rows. 47 ms