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Database Management
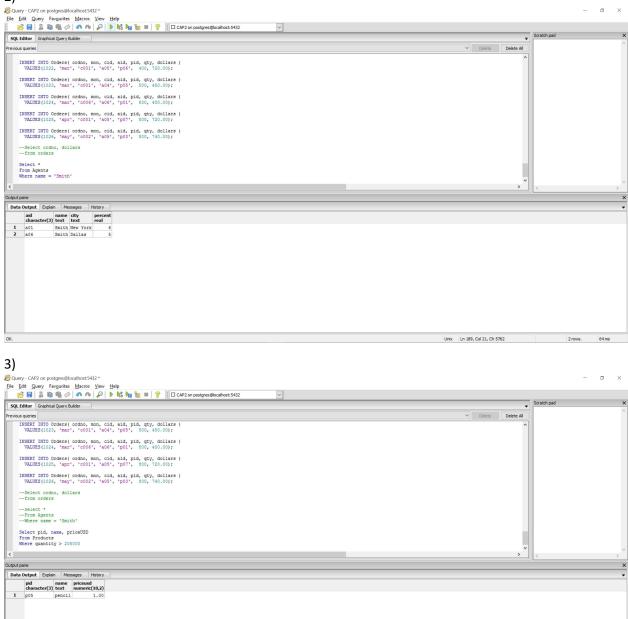
Professor Rivas

February 9, 2016

<div align="center">Lab 3</div>

1)

2)

File Edit Query Favourites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries   Delete | Delete All

```
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

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

Output pane

Data Output | Explain | Messages | History

	aid character(3)	name text	city text	percent 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)

File Edit Query Favourites Macros View Help

SQL Editor | Graphical Query Builder

Previous queries   Delete | Delete All

```
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

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

Select pid, name, priceUSD
From Products
Where quantity > 208000
```

Output pane

Data Output | Explain | Messages | History

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

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

4)

File   Edit   Query   Favourites   Macros   View   Help

```
            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

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

    --Select pid, name, priceUSD
    --From Products
    --Where quantity > 208000

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

Data Output | Explain | Messages | History

	name text	city text
1	Basics	Dallas
2	Allied	Dallas

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

5)

File   Edit   Query   Favourites   Macros   View   Help

```
    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 > 208000

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

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

Data Output | Explain | Messages | History

	name text
1	Jones
2	Otasi
3	Smith
4	Bond

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

6)

The SQL Editor shows:

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

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

--Select pid, name, priceUSD
--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
```

Data Output:

	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)

The SQL Editor shows:

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

--Select pid, name, priceUSD
--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')
```

Data Output:

	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)

File   Edit   Query   Favourites   Macros   View   Help

CAP2 on postgres@localhost:5432

SQL Editor   Graphical Query Builder

Scratch pad

Previous queries   Delete   Delete All

```
--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)

File   Edit   Query   Favourites   Macros   View   Help

CAP2 on postgres@localhost:5432

SQL Editor   Graphical Query Builder

Scratch pad

Previous queries   Delete   Delete All

```
--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