

Marist College

Lab 2

(Part 1 - Queries)

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Database Management

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Queries

Customers

The screenshot shows the pgAdmin3 application interface. The top menu bar includes File, Edit, Query, Favourites, Macros, View, Window, and Help. The status bar at the top indicates the connection is to 'postgres on postgres@localhost:5433'. The main window is divided into three panes: 'SQL Editor' on the left, 'Output pane' in the center, and 'Scratch pad' on the right. The 'SQL Editor' pane contains the following SQL query:

```
select *  
from Customers;
```

The 'Output pane' displays the results of the query in a table format. The table has four columns: 'cid', 'name', 'city', and 'discountpct'. The data is as follows:

	cid character(4)	name text	city text	discountpct numeric(5,2)
1	c001	Tiptop	Duluth	10.00
2	c002	Tyrell	Dallas	12.00
3	c003	Eldon	Dallas	8.00
4	c004	ACME	Duluth	8.50
5	c005	Weyland	Risa	0.00
6	c006	ACME	Beijing	0.00

The bottom status bar shows 'OK.', 'Unix Ln 2, Col 16, Ch 26', '6 rows.', and '18 ms'.

Agents

The screenshot shows the pgAdmin3 application window. The title bar reads "pgAdmin3" and the menu bar includes "File", "Edit", "Query", "Favourites", "Macros", "View", "Window", and "Help". The status bar at the top indicates the connection is "postgres on postgres@localhost:5433". The "SQL Editor" tab is active, displaying the query:

```
select *  
from Agents;
```

 The "Output pane" at the bottom shows the "Data Output" tab with a table of 7 rows. The table has columns: "aid", "name", "city", and "commission". The data is as follows:

	aid character(3)	name text	city text	commission numeric(5,2)
1	a01	Smith	New York	5.60
2	a02	Jones	Newark	6.00
3	a03	Perry	Hong Kong	7.00
4	a04	Gray	New York	6.00
5	a05	Otasi	Duluth	5.00
6	a06	Smith	Dallas	5.00
7	a08	Bond	London	7.07

The status bar at the bottom of the application window shows "OK.", "Unix", "Ln 2, Col 13, Ch 23", "7 rows.", and "19 ms". The macOS dock is visible at the very bottom with various application icons.

Products

The screenshot shows the pgAdmin3 application window. The title bar reads "pgAdmin3" and the menu bar includes "File", "Edit", "Query", "Favourites", "Macros", "View", "Window", and "Help". The status bar at the top indicates the user is "postgres on postgres@localhost:5433".

The main window is divided into three panes:

- SQL Editor:** Contains the query `select * from Products;`
- Scratch pad:** An empty text area.
- Output pane:** Displays the results of the query in a table format.

The Output pane shows the following data:

	pid character(3)	name text	city text	qty integer	priceusd numeric(10,2)
1	p01	Heisenberg compensator	Dallas	111400	0.50
2	p02	universal translator	Newark	203000	0.50
3	p03	Commodore PET	Duluth	150600	1.00
4	p04	LCARS module	Duluth	125300	1.00
5	p05	pencil	Dallas	221400	1.00
6	p06	trapper keeper	Dallas	123100	2.00
7	p07	flux capacitor	Newark	100500	1.00
8	p08	HAL 9000 memory core	Newark	200600	1.25

The bottom status bar shows "OK.", "Unix", "Ln 2, Col 15, Ch 25", "8 rows.", and "20 ms". The macOS dock is visible at the bottom of the screen.

Orders

pgAdmin3 File Edit Query Favourites Macros View Window Help

Query - postgres on postgres@localhost:5433 *

postgres on postgres@localhost:5433

SQL Editor Graphical Query Builder

Previous queries

```
select *  
from Orders;
```

Scratch pad

Output pane

Data Output Explain Messages History

	ordno integer	month character(3)	cid character(4)	aid character(3)	pid character(3)	quantity integer	totalusd numeric(12,2)
1	1011	Jan	c001	a01	p01	1100	495.00
2	1012	Jan	c002	a03	p03	1200	1056.00
3	1015	Jan	c003	a03	p05	1000	920.00
4	1016	Jan	c006	a01	p01	1000	500.00
5	1017	Feb	c001	a06	p03	500	540.00
6	1018	Feb	c001	a03	p04	600	540.00
7	1019	Feb	c001	a02	p02	400	180.00
8	1020	Feb	c006	a03	p07	600	600.00
9	1021	Feb	c004	a06	p01	1000	457.50
10	1022	Mar	c001	a05	p06	450	810.00
11	1023	Mar	c001	a04	p05	500	450.00
12	1024	Mar	c006	a06	p01	880	400.00
13	1025	Apr	c001	a05	p07	888	799.20
14	1026	May	c002	a05	p03	808	711.04

OK. Unix Ln 2, Col 13, Ch 23 14 rows. 23 ms