

lab3-queries1.pdf

• Enjoy the beauty and accuracy of the relational model.
• Get some still-easy lab points.

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

1. List the ordno and dollars of all orders.
2. List the name and city of agents named Smith.
3. List the pid, name, and priceUSD of products with quantity more than 208,000.
4. List the names and cities of customers in Dallas.
5. List the names of agents not in New York and not in Tokyo.
6. List all data for products not in Dallas or Duluth that cost us\$1 or more.
7. List all data for orders in January or March.
8. List all data for orders in February less than us\$500.
9. List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, go back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly.)

Query - CAP3 on postgres@localhost:5432 *

SQL Editor

```
--select *  
--from customers;  
  
--select *  
--from agents;  
  
--select *  
--from products;  
  
select  
orders.ordnum, orders.totalusd  
from orders;
```

Output pane

	ordnum	totalusd
	integer	numeric(12,2)
1	1011	450.00
2	1013	880.00
3	1015	1104.00
4	1016	900.00
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

OK. DOS Ln 184, Col 13, Ch 5572 14 rows. 13 msec

lab3-queries1.pdf

• Enjoy the beauty and accuracy of the relational model.
• Get some still-easy lab points.

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

1. List the ordno and dollars of all orders.
2. List the name and city of agents named Smith.
3. List the pid, name, and priceUSD of products with quantity more than 208,000.
4. List the names and cities of customers in Dallas.
5. List the names of agents not in New York and not in Tokyo.
6. List all data for products not in Dallas or Duluth that cost us\$1 or more.
7. List all data for orders in January or March.
8. List all data for orders in February less than us\$500.
9. List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, go back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly.)

Query - CAP3 on postgres@localhost:5432 *

SQL Editor

```
-- Connect to your Postgres server and set the active  
  
select *  
from customers;  
  
select  
agents.name, agents.city  
from agents  
where agents.name = 'Smith';  
  
select *  
from products;
```

Output pane

	name	city
	text	text
1	Smith	New York
2	Smith	Dallas

OK. DOS Ln 176, Col 1, Ch 5454 76 chars 2 rows. 13 msec

lab3-queries1.pdf

Enjoy the beauty and accuracy of the relational model.

Get some still-easy lab points.

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

1. List the ordno and dollars of all orders.

2. List the name and city of agents named Smith.

3. List the pid, name, and priceUSD of products with quantity more than 208,000.

4. List the names and cities of customers in Dallas.

5. List the names of agents not in New York and not in Tokyo.

6. List all data for products not in Dallas or Duluth that cost us\$1 or more.

7. List all data for orders in January or March.

8. List all data for orders in February less than us\$500.

9. List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, go back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly)

Query - CAP3 on postgres@localhost:5432 *

SQL Editor

Graphical Query Builder

Scratch pad

Previous queries

Delete

Delete All

-- Connect to your Postgres server and set the active

select *
from customers;

select *
from agents;

select
products.pid, products.name, products.priceusd
from products
where products.quantity > 208000;

Output pane

Data Output

Explain

Messages

History

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

OK. DOS Ln 179, Col 1, Ch 5480 105 chars 1 row. 12 msec

lab3-queries1.pdf

Enjoy the beauty and accuracy of the relational model.

Get some still-easy lab points.

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

1. List the ordno and dollars of all orders.

2. List the name and city of agents named Smith.

3. List the pid, name, and priceUSD of products with quantity more than 208,000.

4. List the names and cities of customers in Dallas.

5. List the names of agents not in New York and not in Tokyo.

6. List all data for products not in Dallas or Duluth that cost us\$1 or more.

7. List all data for orders in January or March.

8. List all data for orders in February less than us\$500.

9. List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, go back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly)

Query - CAP3 on postgres@localhost:5432 *

SQL Editor

Graphical Query Builder

Scratch pad

Previous queries

Delete

Delete All

-- Connect to your Postgres server and set the active

select
customers.name, customers.city
from customers;

select *
from agents;

select *
from products;

select

Output pane

Data Output

Explain

Messages

History

	name text	city text
1	Tiptop	Duluth
2	Tyrell	Dallas
3	Allied	Dallas
4	ACME	Duluth
5	Weyland	Acheron
6	ACME	Kyoto

OK. DOS Ln 173, Col 1, Ch 5425 56 chars 6 rows. 13 msec

lab3-queries1.pdf

www.labouseur.com/courses/db/lab3-queries1.pdf

• Enjoy the beauty and accuracy of the relational model.
• Get some still-easy lab points.

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

1. List the ordno and dollars of all orders.
2. List the name and city of agents named Smith.
3. List the pid, name, and priceUSD of products with quantity more than 208,000.
4. List the names and cities of customers in Dallas.
5. List the names of agents not in New York and not in Tokyo.
6. List all data for products not in Dallas or Duluth that cost us\$1 or more.
7. List all data for orders in January or March.
8. List all data for orders in February less than us\$500.
9. List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, go back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly.)

Query - CAP3 on postgres@localhost:5432

SQL Editor

Previous queries

select *
from customers;

select
agents.name
from agents
WHERE agents.city NOT LIKE 'New York'
AND agents.city NOT LIKE 'Tokyo';

select *
from products;

select

Scratch pad

Output pane

Data Output

name
text

1 Jones
2 Otsari
3 Smith
4 Bond

OK. DOS Ln 176, Col 1, Ch 5454 106 chars 4 rows. 12 msec

lab3-queries1.pdf

www.labouseur.com/courses/db/lab3-queries1.pdf

• Get some still-easy lab points.

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

1. List the ordno and dollars of all orders.
2. List the name and city of agents named Smith.
3. List the pid, name, and priceUSD of products with quantity more than 208,000.
4. List the names and cities of customers in Dallas.
5. List the names of agents not in New York and not in Tokyo.
6. List all data for products not in Dallas or Duluth that cost us\$1 or more.
7. List all data for orders in January or March.
8. List all data for orders in February less than us\$500.
9. List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, go back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly.)

Query - CAP3 on postgres@localhost:5432

SQL Editor

Previous queries

from customers;

select *
from agents;

select *
from products
WHERE products.city NOT LIKE 'Dallas'
AND products.city NOT LIKE 'Duluth'
AND products.priceusd >= 1.00;

select
from orders;

Scratch pad

Output pane

Data Output

pid
character(3)
name
city
quantity
priceusd
text
text
integer
numeric(10,2)

1 p07 case Newark 100500 1.00
2 p08 clip Newark 200600 1.25

OK. DOS Ln 179, Col 1, Ch 5480 131 chars 2 rows. 13 msec

lab3-queries1.pdf

www.labouseur.com/courses/db/lab3-queries1.pdf

Enjoy the beauty and accuracy of the relational model.
Get some still-easy lab points.

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

1. List the ordno and dollars of all orders.

2. List the name and city of agents named Smith.

3. List the pid, name, and priceUSD of products with quantity more than 208,000.

4. List the names and cities of customers in Dallas.

5. List the names of agents not in New York and not in Tokyo.

6. List all data for products not in Dallas or Duluth that cost us\$1 or more.

7. List all data for orders in January or March.

8. List all data for orders in February less than us\$500.

9. List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, go back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly.)

Query - CAP3 on postgres@localhost:5432 *

SQL Editor

select *
from customers;

select *
from agents;

select *
from products;

select *
from orders
WHERE orders.mon = 'jan'
OR orders.mon = 'mar';

Scratch pad

Output pane

Data Output

	ordnum integer	mon character(3)	cid character(4)	aid character(3)	pid character(3)	qty integer	totalusd 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. DOS Ln 182, Col 1, Ch 5508 71 chars 7 rows. 12 msec

lab3-queries1.pdf

www.labouseur.com/courses/db/lab3-queries1.pdf

lab3-queries1.pages 1 / 1

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

1. List the ordno and dollars of all orders.

2. List the name and city of agents named Smith.

3. List the pid, name, and priceUSD of products with quantity more than 208,000.

4. List the names and cities of customers in Dallas.

5. List the names of agents not in New York and not in Tokyo.

6. List all data for products not in Dallas or Duluth that cost us\$1 or more.

7. List all data for orders in January or March.

8. List all data for orders in February less than us\$500.

9. List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly.)

Query - CAP3 on postgres@localhost:5432 *

SQL Editor

select *
from customers;

select *
from agents;

select *
from products;

select *
from orders
WHERE orders.mon = 'feb'
AND orders.totalusd <= 500.00;

Scratch pad

Output pane

Data Output

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

OK. DOS Ln 182, Col 1, Ch 5508 79 chars 2 rows. 12 msec

lab3-queries1.pdf

lab3-queries1.pages 1 / 1

Check that your instance of our beloved CAP3 database is **exactly** the same as mine in the script on our class web site. You need to have a clean instance when you begin this assignment. If you've modified it in any manner, please drop everything in CAP3 and reload from the scripts on our class web page.

Use CAP3 to answer all of these query questions. Write only one query per question. Be certain to end each query with a semi-colon. Your final script should execute all of the queries in sequence from one command. Remember that CAP3 is one snapshot in time in the life of that database. The queries you write should return the correct answer for all time, not just for this snapshot.

- List the ordno and dollars of all orders.
- List the name and city of agents named Smith.
- List the pid, name, and priceUSD of products with quantity more than 208,000.
- List the names and cities of customers in Dallas.
- List the names of agents not in New York and not in Tokyo.
- List all data for products not in Dallas or Duluth that cost US\$1 or more.
- List all data for orders in January or March.
- List all data for orders in February less than us\$500.
- List all orders from the customer whose cid is C005.

Test, test, and test again. Then test some more. When you think you've tested enough, back and keep testing. Then get someone else to test for you while you test theirs.

Push your work to your GitHub repository early and often. While you're in there ...

- Be sure to write meaningful commit messages.
- Practice using *diff* to see the differences between successive versions of your code.
- Practice reverting to an earlier version so that you'll have that option in the future.

Don't forget to test. A lot. Really. (Rilly.)

Query - CAP3 on postgres@localhost:5432

SQL Editor

```
select *
from customers;

select *
from agents;

select *
from products;

select *
from orders
WHERE orders.cid = 'C005';
```

Scratch pad

Output pane

ordnum	mon	cid	aid	pid	qty	totalusd
integer	character(3)	character(4)	character(3)	character(3)	integer	numeric(12,2)

OK. DOS Ln 182, Col 1, Ch 5508 49 chars 0 rows. 13 msec