

## Brandon Kline

### Database Systems Lab 3

1.

CAP on postgres@PostgreSQL 9.6

1

**select** ordno, totalusd

2

**from** orders;

Data Output

Explain

Messages

History

	<b>ordno</b> integer	<b>totalusd</b> numeric (12,2)
1	1011	495.00
2	1012	1056.00
3	1015	920.00
4	1016	500.00
5	1017	540.00
6	1018	540.00
7	1019	180.00
8	1020	600.00
9	1021	457.50
10	1022	810.00
11	1023	450.00
12	1024	400.00
13	1025	799.20
14	1026	711.04

2.

CAP on postgres@PostgreSQL 9.6

```
1  select name, city
2  from agents
3  where name = 'Smith';
```

Data Output

Explain

Messages

History

	name	city
	text	text
1	Smith	New York
2	Smith	Dallas

3.

CAP on postgres@PostgreSQL 9.6

```
1 select pid, name, priceusd
2 from products
3 where qty > 200010;
```

Data Output

Explain

Messages

History

	pid character (3)	name text	priceusd numeric (10,2)
1	p02	universal translator	0.50
2	p05	pencil	1.00
3	p08	HAL 9000 memory core	1.25

4.

CAP on postgres@PostgreSQL 9.6

1

select name

2

from agents

3

where city != 'Dallas'

4

and city != 'London'

5

and city != 'Hong Kong'

6

and city != 'Newark'

Data Output

Explain

Messages

History

	name
	text
1	Smith
2	Gray
3	Otasi

5.

CAP on postgres@PostgreSQL 9.6

1

select name

2

from agents

3

where city != 'Dallas'

4

and city != 'London'

5

and city != 'Hong Kong'

6

and city != 'Newark'

Data Output

Explain

Messages

History

	name
	text
1	Smith
2	Gray
3	Otasi

6.

CAP on postgres@PostgreSQL 9.6

```

1  select *
2  from products
3  where city != 'Dallas'
4  and city != 'Duluth'
5  and priceusd >= 1;

```

Data Output Explain Messages History

	pid character (3)	name text	city text	qty integer	priceusd numeric (10,2)
1	p07	flux...	Ne...	100500	1.00
2	p08	HAL...	Ne...	200600	1.25

7.

CAP on postgres@PostgreSQL 9.6

```

1  select *
2  from orders
3  where month = 'Mar'
4  or month = 'May';

```

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	1022	Mar	c001	a05	p06	450	810.00
2	1023	Mar	c001	a04	p05	500	450.00
3	1024	Mar	c006	a06	p01	880	400.00
4	1026	May	c002	a05	p03	808	711.04

8. CAP on postgres@PostgreSQL 9.6

```

1  select *
2  from orders
3  where month = 'Feb'
4  and totalusd >= 500;

```

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	1017	Feb	c001	a06	p03	500	540.00
2	1018	Feb	c001	a03	p04	600	540.00
3	1020	Feb	c006	a03	p07	600	600.00

9. CAP on postgres@PostgreSQL 9.6

```

1  select *
2  from customers
3  where cid = 'c005'

```

Data Output Explain Messages History

	cid character (4)	name text	city text	discountpct numeric (5,2)
1	c005	Weyland	Risa	0.00