

# Quiz Submissions - Exam03



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## Attempt 1

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## Submission View

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### Question 1

2 / 2 points

What's the command that will delete all the letters except the letter 'b' from the file 'file03.txt' and saves the result in the file 'file01.txt'

\_\_\_tr -d -c 'b' < file03.txt > file01.txt\_\_\_ ✓

### Question 2

2 / 2 points

Assume that the content of the file 'file01.txt' is the following:

I have a cat  
Nobody likes rats  
A lot of people think that bats are birds  
That's great!

What's the output of this statement:

grep -oE '[eht]at' file01.txt | tr -d '\n'

\_\_\_hathateat\_\_\_ ✓

### Question 3

1 / 2 points

What's the 'grep' command that will print the lines that contain either the word 'Charleston' or the word 'Beach' from the file file03.txt (use the option for the extended regular expressions) \_\_\_grep -E 'Charleston|Beach'

file03.txt\_\_\_ ✗ (grep -E 'Charleston|Beach' file03.txt, grep

**'Charleston\|Beach' file03.txt, grep -E 'Beach|Charleston' file03.txt)****Question 4****1 / 2 points**

What's the 'grep' command that will print the lines that contain either the word 'King' or the word 'Queen' from the file file03.txt (use the option for the extended regular expressions) \_\_\_grep -E 'King\|Queen' file03.txt\_\_\_

✗ (grep -E 'King|Queen' file03.txt, grep 'King\|Queen' file03.txt, grep -E 'Queen|King' file03.txt)

**Question 5****2 / 2 points**

What's the 'grep' command that will print the lines that contain any 7-letter substring that starts with the two letters 'Ki' and end with the letter 'n' from the file file02.txt (use the option for the extended regular expressions) \_\_\_grep -E 'Ki....n' file02.txt\_\_\_ ✓

**Question 6****2 / 2 points**

We can have more than one index constraint for one column in PostgreSQL.

- ✓ ☒ True  
☐ False

**Question 7****2 / 2 points**

1. When we add an **index constraint** to a column in our table, that column needs to be unique.

- ☐ True  
✓ ☒ False

**Question 8****2 / 2 points**

What's the 'seq' command that will display the following:

07  
08  
09  
10  
11

\_\_\_seq -w 7 11\_\_\_ ✓

### Question 9

2 / 2 points

Write Postgres code to delete the index 'my\_index'. \_\_\_\_\_ DROP INDEX  
my\_index\_\_\_ ✓

### Question 10

2 / 2 points

Write PostgreSQL code to describe the index my\_index. \_\_\_\_\_ \d my\_index\_\_\_  
✓

### Question 11

2 / 2 points

In PostgreSQL, what kind of index is created when we add a primary key constraint?  
\_\_\_\_\_ btree\_\_\_ ✓

### Question 12

2 / 2 points

What's the command that will describe the table 'employee' in PostgreSQL? \_\_\_\d employee\_\_\_ ✓

### Question 13

2 / 2 points

What's the 'csvstat' command that show the minimum for the columns size,time,sex from the file 'tips.csv' \_\_\_csvstat -c size,time,sex  
tips.csv --min\_\_\_ ✓

### Question 14

2 / 2 points

What's the 'csvstat' command that show the minimum for the columns size,time,sex from the file 'tips.csv' \_\_\_csvstat -c size,time,sex tips.csv --min\_\_\_ ✓

**Question 15****1 / 2 points**

What's the 'csvstat' command that show the sum for the column time from the file 'file01.csv' \_\_\_csvstat -c time tips.csv --sum\_\_\_ ✗ (csvstat -c time file01.csv --sum)

**Question 16****2 / 2 points**

What's the command that will delete the database 'data210' \_\_\_DROP DATABASE data210;\_\_\_ ✓

**Question 17****2 / 2 points**

What's the PostgreSQL command that will change the column 'size' to the value 3, for all the rows that have the value 8 for the column 'level' in table 'tips'? \_\_\_UPDATE tips SET size = 3 WHERE level = 8;\_\_\_ ✓

**Question 18****2 / 2 points**

What's the 'csvstat' command that show all the statistics for all the columns from the file 'file03.csv' \_\_\_csvstat file03.csv\_\_\_ ✓

**Question 19****2 / 2 points**

What's the PostgreSQL command that will delete the rows in table 'tips' where the value of the column 'size' is equal to the number 5? \_\_\_DELETE FROM tips WHERE size = 5;\_\_\_ ✓

**Question 20****2 / 2 points**

27.18 2.0 Female Yes Sat Lunch 2

What's the output of this statement:

```
grep -oE 's....' file03.txt
```

\_\_\_s Sat\_\_\_  (s,Sat, Sat, sSat)

### Question 21

2 / 2 points

Would the following PostgreSQL code cause an error?

```
CREATE TABLE countries (country_code char(2) PRIMARY KEY,  
country_name TEXT UNIQUE);  
INSERT INTO countries VALUES ('DK', 'Norway');  
INSERT INTO countries VALUES ('FR', 'Spain');
```

☐ Yes

☒ No

### Question 22

2 / 2 points

Would the following PostgreSQL code cause an error?

```
CREATE TABLE countries (country_code char(2) PRIMARY KEY,  
country_name TEXT UNIQUE);  
INSERT INTO countries VALUES ('FR', 'Denmark');  
INSERT INTO countries VALUES ('FR', 'France');
```

☒ Yes

☐ No

### Question 23

2 / 2 points

Would the following PostgreSQL code cause an error?

```
CREATE TABLE staff (f_name VARCHAR(30), l_name VARCHAR(30),
```

```
is_manager CHAR(1) CHECK (is_manager IN ('Y', 'N')));  
INSERT INTO staff VALUES('Malcolm', 'Sontag', 'N');
```

✓ ☒ No

☐ Yes

## Question 24

2 / 2 points

Would the following PostgreSQL code cause an error?

```
CREATE TABLE countries (country_code char(2) PRIMARY KEY,  
country_name TEXT UNIQUE);  
INSERT INTO countries VALUES ('FR', 'Denmark');  
INSERT INTO countries VALUES ('NL', 'Germany');
```

✓ ☒ No

☐ Yes

## Question 25

1 / 2 points

Assume that the content of the file 'file04.txt' is the following:

Lunch  
Line  
Day  
Dinner  
Laugh

What's the output of this statement:

```
grep -oE 'L.*n' file03.txt | tr '\n' 'g'
```

\_\_\_LungLung\_\_\_ ✗ (LungLing, LungLin, Ling, Lung)

**Question 26****1 / 2 points**

Assume that the content of the file 'file04.txt' is the following:

Lunch  
Line  
Day  
Dinner  
Laugh

What's the output of this statement:

```
grep -oE 'L.*n' file04.txt | tr '\n' 'a'
```

\_\_\_LunaLuna\_\_\_ ✖ (LunaLina, LunaLin, Luna, Lina)

**Question 27****2 / 2 points**

Foreign keys must be unique.

☐ True

✓ ☒ False

**Question 28****2 / 2 points**

A single table can contain only one primary key constraint.

✓ ☒ True

☐ False

**Question 29****2 / 2 points**

What's the 'csvsql' command that will display the content of the file 'file02.csv' sorted in a(n) ascending order based on the column

'bill' \_\_\_csvsql --query "SELECT \* FROM file02 ORDER BY bill"

file02.csv\_\_\_ ✓

**Question 30****2 / 2 points**

What's the 'csvsql' command that will display all the 'unique/distinct' values for the column 'sex' from the file 'file02.csv' (using double quotation mark to enclose SQL command ) \_\_\_csvsql --query "SELECT DISTINCT(sex) FROM file02" file02.csv\_\_\_ ✓

**Question 31****2 / 2 points**

What's the 'csvsql' command that will display the content of the file 'file02.csv' sorted in a(n) descending order based on the column 'tip'. (using double quotation mark to enclose SQL command ) \_\_\_csvsql --query "SELECT \* FROM file02 ORDER BY tip DESC" file02.csv\_\_\_ ✓

**Question 32****2 / 2 points**

What's the 'csvsql' command that will display the number of rows in the file 'file02.csv'. (using double quotation mark to enclose SQL command ) \_\_\_csvsql --query "SELECT COUNT(\*) FROM file02" file02.csv\_\_\_ ✓

**Question 33****2 / 2 points**

Would the following PostgreSQL code cause an error?

```
CREATE TABLE countries (country_code char(2) PRIMARY KEY,  
country_name TEXT UNIQUE);  
INSERT INTO countries VALUES ('FR', 'Denmark');  
INSERT INTO countries VALUES ('FR', 'France');
```

✓ ☒ Yes

☐ No

**Question 34****2 / 2 points**



What's the command that will list all the databases in PostgreSQL?

☒ \l

☐ \database

☐ \d

☐ SHOW DATABASES

### Question 35

2 / 2 points

Given the table below, answer the following questions;

name	age	state	salary
Mike	23	NC	130000
Daisy	23		160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT state FROM employee WHERE age = 25 GROUP BY state HAVING COUNT(\*) > 1;

☐ state  
-----

SC

GA

☐ state  
-----

MS

☐ state  
-----

GA

✓ ☒ state  
-----

SC

### Question 36

2 / 2 points

Given the table below, answer the following questions;

name	age	state	salary
Mike	23	NC	130000
Daisy	23		160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT state,count(\*) FROM employee WHERE salary > 140000 GROUP BY state;

☐ state | count  
-----+-----

SC | 3

MS | 1

☐ state | count  
-----+-----

SC | 3

GA | 1

✓ ☒ state | count  
-----+-----

SC | 3

MS | 1

GA | 1

☐ state | count  
-----+-----

SC | 2

MS		1
GA		1

**Question 37****2 / 2 points**

Given the table below, answer the following questions;

name	age	state	salary
Mike	23	NC	130000
Daisy	23		160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT name FROM employee WHERE age = 23 GROUP BY name HAVING COUNT(\*) > 1;

- ☐ name  
-----  
Mike
- ☐ name  
-----  
Joseph
- ☒ name  
-----  
Daisy
- ☐ name  
-----  
Daisy  
Mike

**Question 38****2 / 2 points**

Given the table below, answer the following questions;

name	age	state	salary
Mike	23		130000

		NC	
Daisy	23	SC	160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT age, COUNT(\*) FROM employee GROUP BY age HAVING  
sum(salary) > 480000;

- ☒ age | count  
-----+-----  
25 | 3
- ☐ age | count  
-----+-----  
23 | 2
- ☐ age | count  
-----+-----  
25 | 2
- ☐ age | count  
-----+-----  
23 | 3

### Question 39

2 / 2 points

Given the table below, answer the following questions;

name	age	state	salary
Mike	23	NC	130000
Daisy	23	SC	160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT state FROM employee GROUP BY state HAVING sum(salary) > 200000;

- ☐ state  
-----  
GA
- ☐ state  
-----  
NC
- ☐ state  
-----  
MS
- ☒ state  
-----  
SC

### Question 40

2 / 2 points

Given the table below, answer the following questions;

name	age	state	salary
Mike	23	NC	130000
Daisy	23		160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT state FROM employee GROUP BY state HAVING sum(salary) > 200000;

- ☐ state  
-----  
MS
- state

- ☐ -----  
NC
- ☐ state  
-----  
GA
- ✓ ☒ state  
-----  
SC

**Question 41****2 / 2 points**

Given the table below, answer the following questions;

name	age	state	salary
Mike	23	NC	130000
Daisy	23		160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT name, COUNT(\*) FROM employee GROUP BY name HAVING count(\*) > 1;

- ☐ name | count  
-----+-----  
Mike | 2  
Daisy | 3  
Joseph | 1
- ☐ name | count  
-----+-----  
Mike | 2  
Daisy | 2
- ✓ ☒ name | count  
-----+-----  
Mike | 2  
Daisy | 3  
name | count

<input type="radio"/>	-----+-----
Mike	1
Daisy	2

**Question 42****2 / 2 points**

Given the table below, answer the following questions;

name	age	state	salary
Mike	23	NC	130000
Daisy	23		160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT age, COUNT(\*) FROM employee GROUP BY age HAVING  
sum(salary) > 480000;

- ☒ age | count  
-----+-----  
25 | 3
- ☐ age | count  
-----+-----  
25 | 2
- ☐ age | count  
-----+-----  
23 | 2
- ☐ age | count  
-----+-----  
23 | 3

**Question 43****2 / 2 points**

Given the table below, answer the following questions;

name	age	state	salary
Mike	23		130000

		NC	
Daisy	23	SC	160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT name FROM employee WHERE salary > 140000 GROUP BY name;

☐ name  
-----  
Joseph  
Daisy

☐ name  
-----  
Joseph  
Mike

☐ name  
-----  
Mike  
Daisy

☒ name  
-----  
Joseph  
Mike  
Daisy

## Question 44

2 / 2 points

Given the table below, answer the following questions;



name	age	state	salary
Mike	23	NC	130000
Daisy	23		160000
Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT state, count(\*)AS number FROM employee WHERE salary < 170000 GROUP BY state;

☐ state | number  
-----+-----  
SC | 3  
NC | 1

☐ state | number  
-----+-----  
SC | 2  
MS | 1

☒ state | number  
-----+-----  
SC | 2  
NC | 1

☐ state | number  
-----+-----  
SC | 2  
GA | 1

## Question 45

2 / 2 points

Given the table below, answer the following questions;

name	age	state	salary
Mike	23	NC	130000
Daisy	23		160000

Mike	25	SC	150000
Joseph	25	SC	170000
Daisy	23	GA	190000
Daisy	25	MS	180000

SELECT name FROM employee WHERE salary > 160000 GROUP BY name;

☐ name  
-----  
Joseph  
Mike

☐ name  
-----  
Mike  
Daisy

☒ name  
-----  
Joseph  
Daisy

☐ name  
-----  
Daisy  
Joseph  
Mike

### Question 46

2 / 2 points

Would the following PostgreSQL code cause an error?

CREATE TABLE faculty (code CHAR(5) PRIMARY KEY, city VARCHAR(30),

```
state CHAR(2)); CREATE TABLE company (f_name VARCHAR(30), l_name  
VARCHAR(30), zip_code CHAR(5) REFERENCES faculty);  
INSERT INTO company VALUES('Michael', 'Gladwell', '29492')
```

☒ Yes

☐ No

### Question 47

2 / 2 points

Would the following PostgreSQL code cause an error?

```
CREATE TABLE state (code CHAR(5) PRIMARY KEY, city VARCHAR(30),  
state CHAR(2)); CREATE TABLE staff (f_name VARCHAR(30), l_name  
VARCHAR(30), zip_code CHAR(5) REFERENCES state);  
INSERT INTO staff VALUES('James', 'France', '29466')
```

☐ No

☒ Yes

### Question 48

2 / 2 points

Would the following PostgreSQL code cause an error?

```
CREATE TABLE faculty (code CHAR(5) PRIMARY KEY, city VARCHAR(30),  
state CHAR(2)); CREATE TABLE staff (f_name VARCHAR(30), l_name  
VARCHAR(30), zip_code CHAR(5) REFERENCES faculty);  
INSERT INTO faculty VALUES('29466', 'Charleston', 'SC')
```

☐ Yes

☒ No

**Question 49****2 / 2 points**

What's the single 'sed' command that will display the lines starting at line 24 and incrementing by 14s; for the file file01.txt \_\_\_sed -n '24~14p' file01.txt\_\_\_ ✓

**Question 50****2 / 2 points**

What's the single 'sed' command that will only display the lines from 8 to 12 for the file file04.txt \_\_\_sed -n '8,12p' file04.txt\_\_\_ ✓

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**Attempt Score:**95 / 100 - 95 %**Overall Grade (first attempt):**95 / 100 - 95 %

Done