# Liliana Pérez, Sprint 4

## Consola

## Ejercicio 1

- El comando o secuencia de comandos que te proporcionó los registros necesarios: grep -iR "^233.201.\*" ~/logs/2019/12
- Registros:

/home/morty/logs/2019/12/apache\_2019-12-18.txt:233.201.188.154 - - [18/12/2019:21:46:01 +0000] "DELETE /events HTTP/1.1" 403 3971

/home/morty/logs/2019/12/apache\_2019-12-21.txt:233.201.182.9 - - [21/12/2019:21:56:20 +0000] "PATCH /users HTTP/1.1" 400 4118

### Ejercicio 2

Comandos que crean los directorios bug1 y events:

cd ~ mkdir bug1

cd bug1 touch main.txt mkdir events

cat ~/bug1/main.txt

El comando que usas para seleccionar las solicitudes para un periodo especificado. Estas son las solicitudes que usas para obtener registros en el archivo main.txt: grep "21:3" logs/2019/12/apache\_2019-12-30.txt > ~/bug1/main.txt grep "21:3" logs/2019/12/apache\_2019-12-31.txt >> ~/bug1/main.txt

Los comandos que usas para colocar los registros en los archivos 400.txt y 500.txt del main.txt:
 grep " 400 " ~/bug1/main.txt > ~/bug1/events/400.txt

## cat ~/bug1/events/400.txt

grep " 500 " ~/bug1/main.txt > ~/bug1/events/500.txt cat ~/bug1/events/500.txt

#### 400.txt •

```
morty@8ace89bcc130: ~
                                                                                                                                                                      ø
```

#### 500.txt

```
morty@Bace89bct30:-

***C*124*,114*,135*,105* -- [30/12/2019:21:39:41*0000] "PATCH /customers HTTP/1.1" 500 3348

**3:3.215*,100.202 -- [30/12/2019:21:39:44*0000] "PUT /alerts HTTP/1.1" 500 4345

**3:86.222.23*,128* -- [30/12/2019:21:39:44*0000] "PUT /alerts HTTP/1.1" 500 2230

**5:20.161.75*,95* -- [30/12/2019:21:39:45*0000] "PUT /elerts HTTP/1.1" 500 2412

**1:196.18*,151.17* -- [30/12/2019:21:39:55*0000] "PUT /elerts HTTP/1.1" 500 2439

**5:77*,101.138.151* -- [30/12/2019:21:39:55*0000] "PUT /elerts HTTP/1.1" 500 2439

**ryw@Bace89bct30:5-$ grep "500" -/bug1/main.txt > -/bug1/events/500.txt

**ryw@Bace89bct30:5-$ cat -/bug1/events/500.txt

**ryw@Bace89bct30:5-$ c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             O
```

## Base de datos

## Ejercicio 1

Número de automóviles:

```
chicago_taxi=# SELECT COUNT(DISTINCT vehicle_id) AS cnt FROM cabs;
cnt
-----
5500
(1 row)
```

La solicitud que usaste para resolver el problema (de acuerdo a su compañía):

```
chicago_taxi=# SELECT company_name, COUNT(DISTINCT vehicle_id) AS cnt FROM cabs GROUP BY company_name;
```

## Ejercicio 2

Lista de las compañías con menos de 100 automóviles.

morty@8ace89bcc130: ~ company\_name Nova Taxi Affiliation Llc Patriot Taxi Dba Peace Taxi Associat 97 89 Blue Diamond 85 Checker Taxi Affiliation Chicago Medallion Management 81 80 69 67 60 55 53 49 48 38 34 20 18 Chicago Independents 24 Seven Taxi Checker Taxi American United Chicago Medallion Leasing INC Top Cab Affiliation KOAM Taxi Association Chicago Taxicab Norshore Cab Gold Coast Taxi Metro Group Service Taxi Association 14 5 Star Taxi American United Taxi Affiliation Metro Jet Taxi A Setare Inc Leonard Cab Co 4615 - 83503 Tyrone Henderson 5062 - 34841 Sam Mestas 4623 - 27290 Jay Kim 5997 - 65283 AW Services Inc. 2092 - 61288 Sbeih company 1469 - 64126 Omar Jada 1469 - 64126 Omar Jada 2733 - 74600 Benny Jona 2192 - 73487 Zeymane Corp 5006 - 39261 Salifu Bawa 3556 - 36214 RC Andrews Cab 3721 - Santamaria Express, Alvaro Santamaria 3721 - Santamaria Express, Arvaro Santamar 2809 - 95474 C & D Cab Co Inc. 2241 - 44667 - Felman Corp, Manuel Alonso 3620 - 52292 David K. Cab Corp. 2823 - 73307 Lee Express Inc 6057 - 24657 Richard Addo 6037 - 24637 Richard Addo 6742 - 83735 Tasha ride inc 1085 - 72312 N and W Cab Co 3591 - 63480 Chuks Cab 0118 - 42111 Godfrey S.Awir 6574 - Babylon Express Inc. 3094 - 24059 G.L.B. Cab Co 5874 - 73628 Sergey Cab Corp. 6743 - 78771 Luhak Corp 1

```
5074 - 54002 Ahzmi Inc | 1

3623 - 72222 Arrington Enterprises | 1

4053 - 40193 Adwar H. Nikola | 1

Chicago Star Taxicab | 1

3011 - 66308 JBL Cab Inc. | 1

(51 rows)
```

La solicitud que usas para resolver el problema:

chicago\_taxi=#\_SELECT company\_name, COUNT(vehicle\_id) AS cnt FROM cabs GROUP BY company\_name HAVING COUNT(vehicle\_id) < 100 ORDER BY cnt DESC;

SELECT company\_name, COUNT(vehicle\_id) AS cnt FROM cabs GROUP BY company\_name HAVING COUNT(vehicle\_id) < 100 ORDER BY cnt DESC;

## Ejercicio 3

La tabla con los datos para el periodo especificado.

```
INE 1: ...her_records WHERE ts >= '2017-11-05 12:00:00' AND fecha <= '..
 hicago_taxi=# SELECT ts, CASE WHEN description ILIKE '%rain%' OR description ILIKE '%storm%'THEN 'BAD' ELSE 'GOOD' END AS weather_conditions FROM weather_records WHERE ts >= '2017-11-05 12:00:00' AND ts <= '2017-11-06 12:00:00';
ts | weather_conditions
 2017-11-05 12:00:00 | GOOD
 2017-11-05 13:00:00
2017-11-05 14:00:00
 2017-11-05 15:00:00
2017-11-05 16:00:00
 2017-11-05 17:00:00
2017-11-05 18:00:00
                                               GOOD
BAD
 2017-11-05 10:00:00
2017-11-05 19:00:00
2017-11-05 20:00:00
2017-11-05 21:00:00
2017-11-05 22:00:00
                                               BAD
BAD
                                               GOOD
GOOD
2017-11-05 22:00:00
2017-11-05 23:00:00
2017-11-06 00:00:00
2017-11-06 01:00:00
2017-11-06 02:00:00
2017-11-06 03:00:00
2017-11-06 05:00:00
2017-11-06 06:00:00
2017-11-06 06:00:00
                                               GOOD
GOOD
                                               GOOD
GOOD
                                               GOOD
GOOD
2017-11-06 06:00:00
2017-11-06 07:00:00
2017-11-06 08:00:00
2017-11-06 09:00:00
2017-11-06 11:00:00
2017-11-06 12:00:00
                                               GOOD
GOOD
                                               GOOD
GOOD
hicago_taxi=#
```

La solicitud que utilizaste para resolver la tarea.

chicago\_taxi=# SELECT ts, CASE WHEN description ILIKE '%rain%' OR description ILIKE '%storm%'THEN 'BAD' ELSE 'GOOD' END AS weather\_conditions FROM weather\_records WHERE ts >= '2017-11-05 12:00:00' AND ts <= '2017-11-06 12:00:00';

SELECT ts, CASE WHEN description ILIKE '%rain%' OR description ILIKE '%storm%'THEN 'BAD' ELSE 'GOOD' END AS weather\_conditions FROM weather\_records WHERE ts >= '2017-11-05 12:00:00' AND ts <= '2017-11-06 12:00:00';

### Ejercicio 4

La tabla con datos para un período específico.

ox. morty@50cbd061d344: ~	
company_name	trips_amount
Flash Cab	28138
Taxi Affiliation Services	16362
Medallion Leasin	14952
Yellow Cab	14512
Taxi Affiliation Service Yellow Chicago Carriage Cab Corp	13627 13464
City Service	12341
Sun Taxi	10932
Star North Management LLC	10642
Blue Ribbon Taxi Association Inc. Choice Taxi Association	8512 7145
Globe Taxi	6317
Dispatch Taxi Affiliation	4810
Nova Taxi Affiliation Llc	4476
Patriot Taxi Dba Peace Taxi Associat Checker Taxi Affiliation	3199 3188
Blue Diamond	2951
Chicago Medallion Management	2868
24 Seven Taxi	2509
Chicago Medallion Leasing INC	2349
Checker Taxi American United	2180 1992
Chicago Independents	1895
KOAM Taxi Association	1765
Chicago Taxicab	1464
Top Cab Affiliation	1391
Gold Coast Taxi Service Taxi Association	633 580
5 Star Taxi	458
303 Taxi	379
Setare Inc	338
American United Taxi Affiliation Leonard Cab Co	301 259
Metro Jet Taxi A	217
Norshore Cab	193
3591 - 63480 Chuks Cab	58
1469 - 64126 Omar Jada 6742 - 83735 Tasha ride inc	56 51
:	31
6743 - 78771 Luhak Corp	47
Chicago Star Taxicab	45
3011 - 66308 JBL Cab Inc.	45
0118 - 42111 Godfrey S.Awir	45
6574 - Babylon Express Inc.	41
1085 - 72312 N and W Cab Co 2809 - 95474 C & D Cab Co Inc.	41   35
2092 - 61288 Sbeih company	34
3620 - 52292 David K. Cab Corp.	33
4615 - 83503 Tyrone Henderson	30
3623 - 72222 Arrington Enterprises	27
5006 - 39261 Salifu Bawa 2192 - 73487 Zeymane Corp	24
4623 - 27290 Jay Kim	20
Metro Group	17
3721 - Santamaria Express, Alvaro Santamaria	17
5074 - 54002 Ahzmi Inc	16
2733 - 74600 Benny Jona 2823 - 73307 Lee Express Inc	16   15
5062 - 34841 Sam Mestas	14
6057 - 24657 Richard Addo	13
3556 - 36214 RC Andrews Cab	13
5997 - 65283 AW Services Inc.	13
5874 - 73628 Sergey Cab Corp. 4053 - 40193 Adwar H. Nikola	12   7
2241 - 44667 - Felman Corp, Manuel Alonso	3
(64 rows)	

• La solicitud que utilizaste para resolver la tarea.

chicago taxi=# SELECT c.company\_name, COUNT(t.trip\_id) AS trips\_amount FROM cabs AS c JOIN trips AS t ON c.cab\_id = t.cab\_id WHERE t.start\_ts > '2017-11-14' AND t.start\_ts < '2017-11-17' GROUP BY c.company\_name ORDER BY trips\_amount DESC;

SELECT c.company\_name, COUNT(t.trip\_id) AS trips\_amount FROM cabs AS c JOIN trips AS t ON c.cab\_id = t.cab\_id WHERE t.start\_ts > '2017-11-14' AND t.start\_ts < '2017-11-17' GROUP BY c.company\_name ORDER BY trips\_amount DESC;