# O console

## Tarefa 1

1. Insira o comando ou a sequência de comandos que retornou os logs necessários:

cd logs/2019/12  
grep -R ^233.201 ~/logs/2019/12



2. Mostre os resultados da sua busca:

/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

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## Tarefa 2

1. Insira os comandos usados para criar os diretórios /bug1 e /events:

mkdir ~/bug1  
mkdir ~/bug1/events

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2. Insira os comandos usados para selecionar logs dos períodos especificados. Estas são as

solicitações usadas para selecionar logs do arquivo main.txt:

grep -E '400|500' ~/logs/2019/12/apache\_2019-12-30.txt > main.txt  
mv ~/logs/2019/12/main.txt ~/bug1/



3. Insira os comandos usados para colocar logs do arquivo main.txt nos arquivos 400.txt e 500.txt:

grep '400' ~/bug1/main.txt > ~/bug1/events/400.txt

grep '500' ~/bug1/main.txt > ~/bug1/events/500.txt

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4. Mostre os resultados do seu trabalho, ou seja, o conteúdo de 400.txt e 500.txt. Como

vai haver diversas linhas de texto, forneça uma amostra do resultado conforme abaixo:

A. O total de linhas de 400.txt. Use wc ~/bug1/events/400.txt para obter a resposta.

echo "Conteúdo do arquivo:" && cat ~/bug1/events/400.txt && echo "Total de linhas:" && wc -l ~/bug1/events/400.txt

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B. As 3 primeiras linhas de 400.txt. Use head -3 ~/bug1/events/400.txt para obter a

resposta.

head -n 3 ~/bug1/events/400.txt



C. As 3 últimas linhas de 400.txt. Use tail -3 ~/bug1/events/400.txt para obter a

resposta.

tail -n 3 ~/bug1/events/400.txt

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D. O total de linhas de 500.txt. Use wc ~/bug1/events/500.txt para obter a resposta.

echo "Conteúdo do arquivo:" && cat ~/bug1/events/500.txt && echo "Total de linhas:" && wc -l ~/bug1/events/500.txt



E. As 3 primeiras linhas de 500.txt. Use head -3 ~/bug1/events/500.txt para obter a

resposta.

head -n 3 ~/bug1/events/500.txt



F. As 3 últimas linhas de 500.txt. Use tail -3 ~/bug1/events/500.txt para obter a

resposta.

tail -n 3 ~/bug1/events/500.txt

# 

# Bases de dados

## Tarefa 1

Por favor, especifique o número de carros:

total\_carros\_distintos

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5529

(1 row)

A consulta que você usou para encontrar o número de carros:

SELECT COUNT(\*) AS total\_carros

FROM cabs;

SELECT COUNT(DISTINCT cab\_id) AS total\_carros\_distintos

FROM cabs;



## Tarefa 2

Lista de empresas com menos de 100 carros:

 company\_name | total\_carros

----------------------------------------------+--------------

Nova Taxi Affiliation Llc | 97

Patriot Taxi Dba Peace Taxi Associat | 89

Blue Diamond | 85

Checker Taxi Affiliation | 81

Chicago Medallion Management | 80

Chicago Independents | 69

24 Seven Taxi | 67

Checker Taxi | 60

American United | 55

Chicago Medallion Leasing INC | 53

Top Cab Affiliation | 49

KOAM Taxi Association | 48

Chicago Taxicab | 38

Norshore Cab | 34

Gold Coast Taxi | 20

Metro Group | 20

Service Taxi Association | 18

5 Star Taxi | 14

American United Taxi Affiliation | 8

Metro Jet Taxi A | 8

Setare Inc | 7

Leonard Cab Co | 5

4615 - 83503 Tyrone Henderson | 1

5062 - 34841 Sam Mestas | 1

4623 - 27290 Jay Kim | 1

5997 - 65283 AW Services Inc. | 1

2092 - 61288 Sbeih company | 1

1469 - 64126 Omar Jada | 1

2733 - 74600 Benny Jona | 1

2192 - 73487 Zeymane Corp | 1

5006 - 39261 Salifu Bawa | 1

3556 - 36214 RC Andrews Cab | 1

3721 - Santamaria Express, Alvaro Santamaria | 1

2809 - 95474 C & D Cab Co Inc. | 1

2241 - 44667 - Felman Corp, Manuel Alonso | 1

3620 - 52292 David K. Cab Corp. | 1

2823 - 73307 Lee Express Inc | 1

6057 - 24657 Richard Addo | 1

6742 - 83735 Tasha ride inc | 1

1085 - 72312 N and W Cab Co | 1

3591 - 63480 Chuks Cab | 1

0118 - 42111 Godfrey S.Awir | 1

6574 - Babylon Express Inc. | 1

3094 - 24059 G.L.B. Cab Co | 1

5874 - 73628 Sergey Cab Corp. | 1

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)



A consulta que você usou para gerar a lista de empresas acima:

SELECT company\_name, COUNT(\*) AS total\_carros

FROM cabs

GROUP BY company\_name

HAVING COUNT(\*) <= 100

ORDER BY total\_carros DESC;



## Tarefa 3

A tabela com a previsão do tempo para o período especificado.

 ts | weather\_conditions

---------------------+--------------------

2017-11-05 00:00:00 | Good

2017-11-05 01:00:00 | Bad

2017-11-05 02:00:00 | Good

2017-11-05 03:00:00 | Good

2017-11-05 04:00:00 | Bad

2017-11-05 05:00:00 | Bad

2017-11-05 06:00:00 | Good

2017-11-05 07:00:00 | Good

2017-11-05 08:00:00 | Good

2017-11-05 09:00:00 | Good

2017-11-05 10:00:00 | Good

2017-11-05 11:00:00 | Good

2017-11-05 12:00:00 | Good

2017-11-05 13:00:00 | Good

2017-11-05 14:00:00 | Bad

2017-11-05 15:00:00 | Good

2017-11-05 16:00:00 | Bad

2017-11-05 17:00:00 | Good

2017-11-05 18:00:00 | Bad

2017-11-05 19:00:00 | Bad

2017-11-05 20:00:00 | Bad

2017-11-05 21:00:00 | Good

2017-11-05 22:00:00 | Good

2017-11-05 23:00:00 | Good

(24 rows)

A consulta que você usou para criar a tabela acima:

SELECT ts,

CASE

WHEN description LIKE '%rain%' OR description LIKE '%storm%' THEN 'Bad'

ELSE 'Good'

END AS weather\_conditions

FROM weather\_records

WHERE ts >= '2017-11-05 00:00:00'

AND ts <= '2017-11-05 23:59:59';

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## Tarefa 4

A tabela com o número de corridas de cada empresa de táxi no período especificado.

 company\_name | trips\_amount

----------------------------------------------+--------------

Flash Cab | 19558

Taxi Affiliation Services | 11422

Medallion Leasin | 10367

Yellow Cab | 9888

Taxi Affiliation Service Yellow | 9299

Chicago Carriage Cab Corp | 9181

City Service | 8448

Sun Taxi | 7701

Star North Management LLC | 7455

Blue Ribbon Taxi Association Inc. | 5953

Choice Taxi Association | 5015

Globe Taxi | 4383

Dispatch Taxi Affiliation | 3355

Nova Taxi Affiliation Llc | 3175

Patriot Taxi Dba Peace Taxi Associat | 2235

Checker Taxi Affiliation | 2216

Blue Diamond | 2070

Chicago Medallion Management | 1955

24 Seven Taxi | 1775

Chicago Medallion Leasing INC | 1607

Checker Taxi | 1486

American United | 1404

Chicago Independents | 1296

KOAM Taxi Association | 1259

Chicago Taxicab | 1014

Top Cab Affiliation | 978

Gold Coast Taxi | 428

Service Taxi Association | 402

5 Star Taxi | 310

303 Taxi | 250

Setare Inc | 230

American United Taxi Affiliation | 210

Leonard Cab Co | 147

Metro Jet Taxi A | 146

Norshore Cab | 127

6742 - 83735 Tasha ride inc | 39

3591 - 63480 Chuks Cab | 37

1469 - 64126 Omar Jada | 36

6743 - 78771 Luhak Corp | 33

0118 - 42111 Godfrey S.Awir | 33

6574 - Babylon Express Inc. | 31

Chicago Star Taxicab | 29

1085 - 72312 N and W Cab Co | 29

2809 - 95474 C & D Cab Co Inc. | 29

2092 - 61288 Sbeih company | 27

3011 - 66308 JBL Cab Inc. | 25

3620 - 52292 David K. Cab Corp. | 21

4615 - 83503 Tyrone Henderson | 21

3623 - 72222 Arrington Enterprises | 20

5074 - 54002 Ahzmi Inc | 16

2823 - 73307 Lee Express Inc | 15

4623 - 27290 Jay Kim | 15

3721 - Santamaria Express, Alvaro Santamaria | 14

5006 - 39261 Salifu Bawa | 14

2192 - 73487 Zeymane Corp | 14

6057 - 24657 Richard Addo | 13

5997 - 65283 AW Services Inc. | 12

Metro Group | 11

5062 - 34841 Sam Mestas | 8

4053 - 40193 Adwar H. Nikola | 7

2733 - 74600 Benny Jona | 7

5874 - 73628 Sergey Cab Corp. | 5

2241 - 44667 - Felman Corp, Manuel Alonso | 3

3556 - 36214 RC Andrews Cab | 2

(64 rows)

A consulta que você usou para criar a tabela acima:

SELECT c.company\_name, COUNT(\*) AS trips\_amount

FROM trips t

JOIN cabs c ON t.cab\_id = c.cab\_id

WHERE t.start\_ts BETWEEN '2017-11-15 00:00:00' AND '2017-11-16 23:59:59'

GROUP BY c.company\_name

ORDER BY trips\_amount DESC;

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