# O console

## Tarefa 1

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

morty@cnt-c8045b9d-84e1-478b-bb12-2f5ced0a26e0:~$ cd ~/logs/2019/12

morty@cnt-c8045b9d-84e1-478b-bb12-2f5ced0a26e0:~/logs/2019/12$ grep -R '^233.201.'

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2. Mostre os resultados da sua busca:

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

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 ' [45]00 ' ~/logs/2019/12/apache\_2019-12-30.txt > ~/bug1/main.txt

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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.

172 1720 13860 /home/morty/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 aresposta.

80.57.170.51 - - [30/12/2019:21:35:12 +0000] "DELETE /users HTTP/1.1" 400 3623

204.235.176.118 - - [30/12/2019:21:35:13 +0000] "POST /users HTTP/1.1" 400 4704

82.95.203.67 - - [30/12/2019:21:35:19 +0000] "DELETE /lists HTTP/1.1" 400 3737

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

resposta.

203.106.235.105 - - [30/12/2019:22:12:38 +0000] "DELETE /events HTTP/1.1" 400 4158

18.211.28.150 - - [30/12/2019:22:12:40 +0000] "DELETE /collectors HTTP/1.1" 400 2212

229.16.123.45 - - [30/12/2019:22:12:54 +0000] "GET /auth HTTP/1.1" 400 2397

morty@cnt-46bee8ba-646e-490d-bf81-db311b670517:~$

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

 156 1560 12554 /home/morty/bug1/events/500.txt

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

resposta.

64.250.112.189 - - [30/12/2019:21:35:13 +0000] "PUT /parsers HTTP/1.1" 500 4639

193.253.101.180 - - [30/12/2019:21:35:31 +0000] "PATCH /alerts HTTP/1.1" 500 2944

197.106.117.194 - - [30/12/2019:21:35:31 +0000] "PATCH /parsers HTTP/1.1" 500 3519

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

resposta.

207.6.210.203 - - [30/12/2019:22:12:37 +0000] "PATCH /events HTTP/1.1" 500 4298

33.13.118.148 - - [30/12/2019:22:12:38 +0000] "PUT /alerts HTTP/1.1" 500 4711

107.188.33.199 - - [30/12/2019:22:12:59 +0000] "POST /parsers HTTP/1.1" 500 2833

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# 

# Bases de dados

## Tarefa 1

Por favor, especifique o número de carros: digite sua resposta aqui

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

chicago\_taxi=# SELECT COUNT(\*) AS cnt FROM CABS;

cnt

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5529

(1 row)



## Tarefa 2

Lista de empresas com menos de 100 carros:

 cnt | company\_name

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

97 | Nova Taxi Affiliation Llc

89 | Patriot Taxi Dba Peace Taxi Associat

85 | Blue Diamond

81 | Checker Taxi Affiliation

80 | Chicago Medallion Management

69 | Chicago Independents

67 | 24 Seven Taxi

60 | Checker Taxi

55 | American United

53 | Chicago Medallion Leasing INC

49 | Top Cab Affiliation

48 | KOAM Taxi Association

38 | Chicago Taxicab

34 | Norshore Cab

20 | Gold Coast Taxi

20 | Metro Group

18 | Service Taxi Association

14 | 5 Star Taxi

8 | American United Taxi Affiliation

8 | Metro Jet Taxi A

7 | Setare Inc

5 | Leonard Cab Co

1 | 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.

(51 rows)

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

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

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## Tarefa 3

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

 ts | weather\_conditions

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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

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

(25 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 <= '2017-11-06 00:00:00';

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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

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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 cabs.company\_name, COUNT(trips.trip\_id) AS trips\_amount FROM cabs INNER JOIN trips ON trips.cab\_id = cabs.cab\_id WHERE CAST(trips.start\_ts AS date) BETWEEN '2017-11-15' AND '2017-11-16' GROUP BY company\_name ORDER BY trips\_amount DESC;

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