Consola

Ejercicio 1
El comando o secuencia de comandos que te proporcionó los registros necesarios:

1-ssh   cnt-0ced3a53-9df1-47f6-8343-b8602d78f446@containerhub.tripleten-services.com -p 4554

2.-pwd

3.- cd logs/2019/12

4.-ls

5.-grep -r "^233\.201".

Registros:

> ./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

Ejercicio 2
Comandos que crean los directorios bug1 y events:
.1.-ssh   cnt-53fb45cc-d075-4be8-bcdf-689767bd871f@containerhub.tripleten-services.com -p 4554

2.-pwd

3.- mkdir bug1

4.- cd bug1

5.- mkdir events

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:
1.-touch main.txt

2.-cd ..

3.- grep "21:3" "logs/2019/12/apache_2019-12-30.txt" > bug1/main.txt

4.- 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:
1.-cd events

2.-touch 400.txt 500.txt

3.-cd..

 4.-grep "400" main.txt > events/400.txt

5.-grep "500" main.txt > events/500.txt

400.txt
 *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

155.242.215.46 - - [30/12/2019:21:35:38 +0000] "POST /playbooks HTTP/1.1" 400 4450

189.176.85.0 - - [30/12/2019:21:35:39 +0000] "PATCH /alerts HTTP/1.1" 400 2732

13.108.71.71 - - [30/12/2019:21:35:43 +0000] "PATCH /events HTTP/1.1" 400 3410

195.213.133.182 - - [30/12/2019:21:35:46 +0000] "PUT /customers HTTP/1.1" 400 3085

235.243.133.78 - - [30/12/2019:21:35:47 +0000] "PATCH /customers HTTP/1.1" 400 3264

192.57.115.49 - - [30/12/2019:21:35:55 +0000] "POST /parsers HTTP/1.1" 400 2457

71.0.49.244 - - [30/12/2019:21:35:55 +0000] "PUT /collectors HTTP/1.1" 400 2785

224.159.206.126 - - [30/12/2019:21:36:02 +0000] "DELETE /customers HTTP/1.1" 400 4569

131.35.106.246 - - [30/12/2019:21:36:04 +0000] "DELETE /lists HTTP/1.1" 400 2578

216.24.42.208 - - [30/12/2019:21:36:06 +0000] "GET /parsers HTTP/1.1" 400 4597

123.53.150.160 - - [30/12/2019:21:37:19 +0000] "PATCH /events HTTP/1.1" 400 4379

61.129.127.103 - - [30/12/2019:21:37:32 +0000] "GET /lists HTTP/1.1" 400 2575

90.216.4.78 - - [30/12/2019:21:37:34 +0000] "PATCH /lists HTTP/1.1" 400 3899

204.250.214.208 - - [30/12/2019:21:37:36 +0000] "PATCH /parsers HTTP/1.1" 400 4742

79.214.240.98 - - [30/12/2019:21:37:37 +0000] "POST /fieldsets HTTP/1.1" 400 4441

65.47.42.12 - - [30/12/2019:21:37:39 +0000] "PATCH /customers HTTP/1.1" 400 2500

251.118.141.34 - - [30/12/2019:21:37:41 +0000] "POST /customers HTTP/1.1" 400 3519

205.20.166.196 - - [30/12/2019:21:37:51 +0000] "POST /users HTTP/1.1" 400 4032

156.217.3.46 - - [30/12/2019:21:37:52 +0000] "PATCH /parsers HTTP/1.1" 400 2020

48.240.198.167 - - [30/12/2019:21:37:57 +0000] "PATCH /playbooks HTTP/1.1" 400 4100

101.255.159.211 - - [30/12/2019:21:37:59 +0000] "GET /auth HTTP/1.1" 400 2324

80.76.98.203 - - [30/12/2019:21:38:00 +0000] "POST /playbooks HTTP/1.1" 400 3045

85.64.63.255 - - [30/12/2019:21:38:13 +0000] "PATCH /collectors HTTP/1.1" 400 2291

184.79.247.161 - - [30/12/2019:21:38:13 +0000] "PUT /alerts HTTP/1.1" 400 3557

93.2.134.22 - - [30/12/2019:21:39:39 +0000] "DELETE /alerts HTTP/1.1" 400 3701

86.34.86.182 - - [31/12/2019:21:35:10 +0000] "POST /auth HTTP/1.1" 400 3626

167.37.16.117 - - [31/12/2019:21:35:17 +0000] "PATCH /customers HTTP/1.1" 400 3294

199.128.92.19 - - [31/12/2019:21:35:43 +0000] "PUT /users HTTP/1.1" 400 4180

162.152.99.143 - - [31/12/2019:21:35:59 +0000] "PUT /users HTTP/1.1" 400 4606

83.115.59.224 - - [31/12/2019:21:37:26 +0000] "GET /alerts HTTP/1.1" 400 3489

194.10.97.226 - - [31/12/2019:21:37:31 +0000] "DELETE /lists HTTP/1.1" 400 2447

180.99.214.40 - - [31/12/2019:21:37:44 +0000] "DELETE /alerts HTTP/1.1" 400 2077

154.152.205.4 - - [31/12/2019:21:37:50 +0000] "GET /playbooks HTTP/1.1" 400 3324

197.82.125.54 - - [31/12/2019:21:37:52 +0000] "PUT /fieldsets HTTP/1.1" 400 4365

115.89.87.219 - - [31/12/2019:21:38:06 +0000] "PUT /playbooks HTTP/1.1" 400 2589

100.77.15.14 - - [31/12/2019:21:38:07 +0000] "GET /fieldsets HTTP/1.1" 400 4911

22.33.159.242 - - [31/12/2019:21:38:07 +0000] "GET /playbooks HTTP/1.1" 400 3955

149.148.229.11 - - [31/12/2019:21:39:16 +0000] "GET /users HTTP/1.1" 400 2071

236.107.64.192 - - [31/12/2019:21:39:17 +0000] "PATCH /users HTTP/1.1" 400 2791

24.156.105.39 - - [31/12/2019:21:39:23 +0000] "GET /lists HTTP/1.1" 400 2902

193.50.164.254 - - [31/12/2019:21:39:23 +0000] "PUT /playbooks HTTP/1.1" 400 3296

18.123.104.91 - - [31/12/2019:21:39:52 +0000] "GET /collectors HTTP/1.1" 400 4372

234.218.148.4 - - [31/12/2019:21:39:54 +0000] "PUT /users HTTP/1.1" 400 2509

500.txt.
*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

247.124.71.67 - - [30/12/2019:21:35:45 +0000] "PUT /alerts HTTP/1.1" 500 2746

62.88.204.119 - - [30/12/2019:21:35:51 +0000] "PUT /auth HTTP/1.1" 500 2666

125.156.142.26 - - [30/12/2019:21:36:01 +0000] "PATCH /events HTTP/1.1" 500 3460

144.170.212.70 - - [30/12/2019:21:36:04 +0000] "DELETE /parsers HTTP/1.1" 500 2599

59.39.200.252 - - [30/12/2019:21:36:05 +0000] "GET /alerts HTTP/1.1" 500 2650

150.136.200.100 - - [30/12/2019:21:37:24 +0000] "POST /lists HTTP/1.1" 500 2684

84.81.25.45 - - [30/12/2019:21:37:25 +0000] "POST /auth HTTP/1.1" 500 2052

30.222.160.141 - - [30/12/2019:21:37:30 +0000] "PATCH /parsers HTTP/1.1" 500 2017

117.87.158.36 - - [30/12/2019:21:37:34 +0000] "POST /fieldsets HTTP/1.1" 500 4056

65.47.42.12 - - [30/12/2019:21:37:39 +0000] "PATCH /customers HTTP/1.1" 400 2500

212.153.128.212 - - [30/12/2019:21:37:42 +0000] "PUT /fieldsets HTTP/1.1" 500 3259

58.188.83.217 - - [30/12/2019:21:37:46 +0000] "POST /playbooks HTTP/1.1" 500 3947

193.123.131.146 - - [30/12/2019:21:37:47 +0000] "PUT /lists HTTP/1.1" 500 3902

182.7.179.91 - - [30/12/2019:21:37:48 +0000] "GET /users HTTP/1.1" 500 2950

10.25.168.164 - - [30/12/2019:21:38:05 +0000] "PATCH /playbooks HTTP/1.1" 500 3858

215.201.210.173 - - [30/12/2019:21:38:11 +0000] "PATCH /customers HTTP/1.1" 500 3277

179.241.103.167 - - [30/12/2019:21:39:23 +0000] "POST /lists HTTP/1.1" 500 3669

147.188.170.252 - - [30/12/2019:21:39:33 +0000] "POST /fieldsets HTTP/1.1" 500 3313

1.249.123.189 - - [30/12/2019:21:39:36 +0000] "PATCH /alerts HTTP/1.1" 500 4734

124.114.135.105 - - [30/12/2019:21:39:41 +0000] "PATCH /customers HTTP/1.1" 500 3348

35.215.100.202 - - [30/12/2019:21:39:43 +0000] "PUT /alerts HTTP/1.1" 500 4345

86.222.23.128 - - [30/12/2019:21:39:44 +0000] "PATCH /alerts HTTP/1.1" 500 2230

20.161.75.95 - - [30/12/2019:21:39:48 +0000] "DELETE /users HTTP/1.1" 500 2412

196.18.151.117 - - [30/12/2019:21:39:55 +0000] "PUT /events HTTP/1.1" 500 4439

77.101.138.151 - - [30/12/2019:21:39:57 +0000] "PUT /lists HTTP/1.1" 500 2194

208.205.133.127 - - [31/12/2019:21:35:17 +0000] "DELETE /alerts HTTP/1.1" 500 4561

20.145.255.91 - - [31/12/2019:21:35:30 +0000] "GET /parsers HTTP/1.1" 500 3051

91.66.134.13 - - [31/12/2019:21:35:53 +0000] "POST /lists HTTP/1.1" 500 3319

31.88.211.206 - - [31/12/2019:21:35:57 +0000] "DELETE /events HTTP/1.1" 500 2325

171.37.114.114 - - [31/12/2019:21:37:39 +0000] "DELETE /fieldsets HTTP/1.1" 500 3253

223.157.242.167 - - [31/12/2019:21:37:59 +0000] "POST /users HTTP/1.1" 500 2283

98.181.102.34 - - [31/12/2019:21:38:06 +0000] "PATCH /fieldsets HTTP/1.1" 500 4672

254.74.22.79 - - [31/12/2019:21:38:06 +0000] "PUT /lists HTTP/1.1" 500 2259

103.46.238.3 - - [31/12/2019:21:38:09 +0000] "PUT /lists HTTP/1.1" 500 3992

41.62.205.107 - - [31/12/2019:21:39:20 +0000] "PATCH /alerts HTTP/1.1" 500 3631

22.53.105.197 - - [31/12/2019:21:39:31 +0000] "DELETE /collectors HTTP/1.1" 500 4202

178.22.133.42 - - [31/12/2019:21:39:43 +0000] "PUT /alerts HTTP/1.1" 500 4648

102.247.13.50 - - [31/12/2019:21:39:55 +0000] "PATCH /auth HTTP/1.1" 500 3736

Base de datos

Ejercicio 1

Número de automóviles:

```
total_vehicles
----------------
          5500
(1 row)

chicago_taxi=#
```

La solicitud que utilizaste para resolver la tarea.

1.- ssh cnt-f054dfb5-c823-4901-b7a7-558629dd1a43@containerhub.tripleten-services.com -p 4554

2.-psql -U morty

colocamos la contraseña

3.-\c chicago_taxi

4.- SELECT COUNT(DISTINCT vehicle_id) AS total_vehicles FROM cabs;

Ejercicio 2

Lista de las compañías con menos de 100 automóviles.

```
company_name                                 | cnt
---------------------------------------------+-----
```

```
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
```

La solicitud que te ayudó a resolver la tarea.

1.- ssh cnt-5ea9a4c7-d9e9-4f84-8633-8fadb58bbc71@containerhub.tripleten-services.com -p 4554

2.-psql -U morty

colocamos la contraseña

3.-\c chicago_taxi

4.- 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.

```
         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
:
```

La solicitud que utilizaste para resolver la tarea.

1.- ssh cnt-1145280d-a441-4019-a597-03f31fc49e5e@containerhub.tripleten-services.com -p 4554

2.-psql -U morty

colocamos la contraseña

3.-\c chicago_taxi

4.-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 00:00:00' AND ts < '2017-11-06 00:00:00'

ORDER BY

    ts;

Ejercicio 4

La tabla con datos para un período específico.

```
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
:
```

La solicitud que utilizaste para resolver la tarea.

1.- ssh cnt-2d9b0d0d-1e95-4f57-b949-285d5299cdb7@containerhub.tripleten-services.com -p 4554

2.-psql -U morty

colocamos la contraseña

3.-\c chicago_taxi

4.-SELECT

```
    c.company_name,

    COUNT(t.trip_id) AS trips_amount

FROM

    trips t

JOIN

    cabs c ON t.cab_id = c.cab_id

WHERE

    t.start_ts >= '2017-11-15 00:00:00' AND t.start_ts < '2017-11-17 00:00:00'

GROUP BY

    c.company_name

ORDER BY

    trips_amount DESC;
```