Consola

Ejercicio 1
El equipo de desarrollo ha enviado una tarea: debes averiguar qué solicitudes han venido de una dirección IP. Una dirección IP consta de cuatro números separados por un punto. Necesitas direcciones que comiencen con "233.201".
Los logs están en un servidor remoto en `logs/2019/12`. No sabes qué día ocurrió el error.
Tu tarea es averiguar qué solicitudes fueron enviadas.

El comando o secuencia de comandos que te proporcionó los registros necesarios:
```
grep -R ^'233\.201' ~/logs/2019/12
```

Registros:
- `233.201.188.154 - - [18/12/2019:21:46:01 +0000] "DELETE /events HTTP/1.1" 403 3971`
- `233.201.182.9 - - [21/12/2019:21:56:20 +0000] "PATCH /users HTTP/1.1" 400 4118`

Ejercicio 2
Se ha detectado un error en el sistema. Estaba activo el 12.30.2019. En ese momento, había errores 400 y 500. Tu tarea consiste en guardar los logs que se registraron **durante este periodo** en un archivo independiente.
Después, debes poner estos logs en archivos por separado con base en los errores. A continuación te explicamos cómo hacerlo:
1. En el directorio de inicio del servidor remoto, crea un directorio llamado `bug1`.
2. Pon todas las solicitudes que ocurrieron en el archivo `main.txt` en el directorio `bug1`.
   a. touch main.txt
3. Dentro del directorio `bug1` , crea un directorio `events`.
4. Dentro del directorio `events`, crea archivos de error 400 y 500. Llama a estos archivos `400.txt` y `500.txt`, respectivamente. Identifica en ellos los logs utilizando el error correspondiente del archivo `main.txt`.

Comandos que crean los directorios bug1 y events:
```
1.
   cd ~
   mkdir bug1
2.
   cd ~/bug1
   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:
```
cat  ~/logs/2019/12/apache_2019-12-30.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`
- `grep ' 500 ' ~/bug1/main.txt > ~/bug1/events/500.txt`

Texto del archivo 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
96.181.163.104 - - [30/12/2019:21:40:05 +0000] "GET /auth HTTP/1.1" 400 3742
214.73.245.219 - - [30/12/2019:21:40:07 +0000] "PATCH /customers HTTP/1.1" 400 2210
154.176.68.207 - - [30/12/2019:21:40:12 +0000] "PUT /users HTTP/1.1" 400 4037
208.188.132.121 - - [30/12/2019:21:41:26 +0000] "PATCH /events HTTP/1.1" 400 4039
109.227.98.204 - - [30/12/2019:21:41:28 +0000] "PUT /fieldsets HTTP/1.1" 400 4003
180.112.113.198 - - [30/12/2019:21:41:28 +0000] "PUT /lists HTTP/1.1" 400 3384
158.39.50.7 - - [30/12/2019:21:41:40 +0000] "POST /auth HTTP/1.1" 400 2845
162.188.194.100 - - [30/12/2019:21:41:49 +0000] "PATCH /events HTTP/1.1" 400 3716
9.119.204.232 - - [30/12/2019:21:41:59 +0000] "POST /lists HTTP/1.1" 400 2768
109.56.160.55 - - [30/12/2019:21:42:08 +0000] "PUT /lists HTTP/1.1" 400 2310
2.133.18.95 - - [30/12/2019:21:42:08 +0000] "PUT /lists HTTP/1.1" 400 2478
153.203.254.145 - - [30/12/2019:21:42:17 +0000] "POST /playbooks HTTP/1.1" 400 2980
246.94.200.150 - - [30/12/2019:21:43:32 +0000] "PUT /users HTTP/1.1" 400 2352
138.229.101.1 - - [30/12/2019:21:43:34 +0000] "PUT /lists HTTP/1.1" 400 4137
146.1.163.95 - - [30/12/2019:21:43:45 +0000] "POST /parsers HTTP/1.1" 400 2408
69.107.156.141 - - [30/12/2019:21:43:51 +0000] "PATCH /parsers HTTP/1.1" 400 2215
192.32.89.6 - - [30/12/2019:21:43:57 +0000] "PUT /users HTTP/1.1" 400 2640
209.17.202.163 - - [30/12/2019:21:44:03 +0000] "POST /collectors HTTP/1.1" 400 3095
97.134.189.183 - - [30/12/2019:21:44:11 +0000] "GET /events HTTP/1.1" 400 3291
234.33.225.82 - - [30/12/2019:21:44:20 +0000] "DELETE /users HTTP/1.1" 400 4042
163.56.186.56 - - [30/12/2019:21:45:43 +0000] "PUT /collectors HTTP/1.1" 400 4203
137.9.230.148 - - [30/12/2019:21:45:46 +0000] "PUT /collectors HTTP/1.1" 400 3120
71.5.36.70 - - [30/12/2019:21:45:53 +0000] "PATCH /users HTTP/1.1" 400 4251
190.99.101.84 - - [30/12/2019:21:46:18 +0000] "POST /parsers HTTP/1.1" 400 4532
116.61.26.238 - - [30/12/2019:21:46:19 +0000] "PUT /customers HTTP/1.1" 400 3677
122.37.231.40 - - [30/12/2019:21:46:21 +0000] "DELETE /playbooks HTTP/1.1" 400 4013
225.243.146.49 - - [30/12/2019:21:46:28 +0000] "GET /lists HTTP/1.1" 400 3920
```

```
170.2.44.139 - - [30/12/2019:21:47:32 +0000] "PATCH /lists HTTP/1.1" 400 4029
226.158.150.116 - - [30/12/2019:21:47:36 +0000] "GET /alerts HTTP/1.1" 400 4213
107.94.241.51 - - [30/12/2019:21:47:40 +0000] "PUT /users HTTP/1.1" 400 3914
122.11.239.148 - - [30/12/2019:21:47:42 +0000] "PATCH /users HTTP/1.1" 400 2998
91.15.46.242 - - [30/12/2019:21:47:51 +0000] "PATCH /fieldsets HTTP/1.1" 400 4282
3.114.122.170 - - [30/12/2019:21:47:56 +0000] "POST /fieldsets HTTP/1.1" 400 2722
46.144.212.220 - - [30/12/2019:21:48:02 +0000] "DELETE /customers HTTP/1.1" 400 2058
78.108.206.14 - - [30/12/2019:21:48:16 +0000] "DELETE /fieldsets HTTP/1.1" 400 4404
101.176.16.44 - - [30/12/2019:21:48:16 +0000] "PUT /customers HTTP/1.1" 400 3925
98.69.243.239 - - [30/12/2019:21:48:22 +0000] "DELETE /playbooks HTTP/1.1" 400 4057
168.86.88.149 - - [30/12/2019:21:49:35 +0000] "POST /alerts HTTP/1.1" 400 4438
142.151.110.62 - - [30/12/2019:21:49:46 +0000] "PATCH /collectors HTTP/1.1" 400 3392
78.174.164.201 - - [30/12/2019:21:49:55 +0000] "PATCH /parsers HTTP/1.1" 400 4618
49.77.174.81 - - [30/12/2019:21:49:56 +0000] "PUT /collectors HTTP/1.1" 400 2028
14.27.198.18 - - [30/12/2019:21:50:01 +0000] "POST /customers HTTP/1.1" 400 3460
141.52.58.235 - - [30/12/2019:21:50:02 +0000] "GET /fieldsets HTTP/1.1" 400 3952
84.46.145.13 - - [30/12/2019:21:50:04 +0000] "DELETE /customers HTTP/1.1" 400 2189
80.103.35.207 - - [30/12/2019:21:50:08 +0000] "PUT /users HTTP/1.1" 400 4497
151.13.246.250 - - [30/12/2019:21:50:13 +0000] "DELETE /playbooks HTTP/1.1" 400 2395
145.247.204.204 - - [30/12/2019:21:50:23 +0000] "POST /lists HTTP/1.1" 400 3483
218.218.229.72 - - [30/12/2019:21:51:36 +0000] "PUT /collectors HTTP/1.1" 400 3590
84.204.192.204 - - [30/12/2019:21:51:43 +0000] "GET /customers HTTP/1.1" 400 2828
187.174.55.14 - - [30/12/2019:21:51:43 +0000] "PATCH /playbooks HTTP/1.1" 400 4937
146.249.155.43 - - [30/12/2019:21:51:49 +0000] "POST /fieldsets HTTP/1.1" 400 4227
60.95.20.92 - - [30/12/2019:21:51:49 +0000] "DELETE /users HTTP/1.1" 400 3005
119.21.168.72 - - [30/12/2019:21:52:05 +0000] "PUT /alerts HTTP/1.1" 400 3990
11.247.227.86 - - [30/12/2019:21:52:09 +0000] "DELETE /playbooks HTTP/1.1" 400 2058
122.16.58.5 - - [30/12/2019:21:52:10 +0000] "POST /customers HTTP/1.1" 400 3058
150.192.169.88 - - [30/12/2019:21:52:21 +0000] "GET /users HTTP/1.1" 400 4899
4.234.9.239 - - [30/12/2019:21:52:23 +0000] "PUT /fieldsets HTTP/1.1" 400 3239
105.235.12.84 - - [30/12/2019:21:52:30 +0000] "DELETE /customers HTTP/1.1" 400 3616
87.147.143.205 - - [30/12/2019:21:52:30 +0000] "POST /users HTTP/1.1" 400 4551
69.105.7.104 - - [30/12/2019:21:53:50 +0000] "POST /fieldsets HTTP/1.1" 400 4931
195.71.214.15 - - [30/12/2019:21:53:58 +0000] "PUT /alerts HTTP/1.1" 400 2608
30.81.109.164 - - [30/12/2019:21:54:02 +0000] "DELETE /auth HTTP/1.1" 400 3245
207.93.3.239 - - [30/12/2019:21:54:07 +0000] "POST /collectors HTTP/1.1" 400 2710
94.16.79.136 - - [30/12/2019:21:54:10 +0000] "PATCH /customers HTTP/1.1" 400 2962
99.197.21.215 - - [30/12/2019:21:54:20 +0000] "PATCH /collectors HTTP/1.1" 400 4693
168.251.109.155 - - [30/12/2019:21:54:24 +0000] "POST /users HTTP/1.1" 400 3275
186.208.128.53 - - [30/12/2019:21:54:25 +0000] "PUT /parsers HTTP/1.1" 400 4722
142.120.159.148 - - [30/12/2019:21:54:38 +0000] "DELETE /customers HTTP/1.1" 400 3657
162.247.233.150 - - [30/12/2019:21:55:46 +0000] "DELETE /customers HTTP/1.1" 400 4292
215.71.209.143 - - [30/12/2019:21:56:07 +0000] "PUT /collectors HTTP/1.1" 400 3436
89.66.84.43 - - [30/12/2019:21:56:18 +0000] "DELETE /fieldsets HTTP/1.1" 400 3041
133.161.26.63 - - [30/12/2019:21:56:30 +0000] "PATCH /events HTTP/1.1" 400 4393
66.114.12.248 - - [30/12/2019:21:56:33 +0000] "PATCH /parsers HTTP/1.1" 400 2798
216.120.201.18 - - [30/12/2019:21:56:36 +0000] "POST /collectors HTTP/1.1" 400 2978
144.73.44.6 - - [30/12/2019:21:56:41 +0000] "PATCH /collectors HTTP/1.1" 400 4671
183.106.91.214 - - [30/12/2019:21:56:41 +0000] "POST /parsers HTTP/1.1" 400 4564
67.192.3.197 - - [30/12/2019:21:57:51 +0000] "DELETE /playbooks HTTP/1.1" 400 2748
31.101.5.228 - - [30/12/2019:21:57:58 +0000] "PATCH /customers HTTP/1.1" 400 2568
16.220.123.133 - - [30/12/2019:21:58:04 +0000] "DELETE /playbooks HTTP/1.1" 400 2407
187.199.95.166 - - [30/12/2019:21:58:11 +0000] "PATCH /parsers HTTP/1.1" 400 3244
176.46.66.184 - - [30/12/2019:21:58:14 +0000] "DELETE /playbooks HTTP/1.1" 400 4478
163.72.10.105 - - [30/12/2019:21:58:17 +0000] "PATCH /lists HTTP/1.1" 400 4423
6.10.136.74 - - [30/12/2019:21:58:23 +0000] "GET /lists HTTP/1.1" 400 3712
98.189.219.222 - - [30/12/2019:21:58:44 +0000] "POST /alerts HTTP/1.1" 400 3611
198.46.151.208 - - [30/12/2019:21:59:56 +0000] "POST /customers HTTP/1.1" 400 3149
235.170.87.189 - - [30/12/2019:22:00:01 +0000] "PUT /playbooks HTTP/1.1" 400 3347
84.46.43.97 - - [30/12/2019:22:00:06 +0000] "DELETE /auth HTTP/1.1" 400 2717
99.179.201.141 - - [30/12/2019:22:00:15 +0000] "PUT /collectors HTTP/1.1" 400 3658
251.106.136.85 - - [30/12/2019:22:00:16 +0000] "POST /playbooks HTTP/1.1" 400 2606
```

```
165.255.117.28 - - [30/12/2019:22:00:18 +0000] "POST /parsers HTTP/1.1" 400 4270
126.73.118.254 - - [30/12/2019:22:00:36 +0000] "PUT /collectors HTTP/1.1" 400 4230
71.81.66.96 - - [30/12/2019:22:00:42 +0000] "PATCH /fieldsets HTTP/1.1" 400 2211
28.106.54.64 - - [30/12/2019:22:00:45 +0000] "POST /auth HTTP/1.1" 400 3173
170.46.33.38 - - [30/12/2019:22:00:46 +0000] "PATCH /customers HTTP/1.1" 400 4488
132.79.104.212 - - [30/12/2019:22:02:01 +0000] "POST /events HTTP/1.1" 400 2375
155.32.185.143 - - [30/12/2019:22:02:11 +0000] "PUT /auth HTTP/1.1" 400 3093
192.34.81.27 - - [30/12/2019:22:02:12 +0000] "PATCH /events HTTP/1.1" 400 2777
236.182.132.194 - - [30/12/2019:22:02:24 +0000] "DELETE /users HTTP/1.1" 400 3482
196.138.61.156 - - [30/12/2019:22:02:27 +0000] "PATCH /collectors HTTP/1.1" 400 3365
65.64.130.96 - - [30/12/2019:22:02:31 +0000] "POST /alerts HTTP/1.1" 400 3693
128.162.197.105 - - [30/12/2019:22:02:45 +0000] "POST /lists HTTP/1.1" 400 4886
118.114.68.200 - - [30/12/2019:22:02:47 +0000] "DELETE /users HTTP/1.1" 400 4314
76.92.218.148 - - [30/12/2019:22:03:57 +0000] "PATCH /customers HTTP/1.1" 400 3311
81.106.34.16 - - [30/12/2019:22:04:01 +0000] "POST /users HTTP/1.1" 400 3982
216.236.105.4 - - [30/12/2019:22:04:09 +0000] "GET /parsers HTTP/1.1" 400 4980
100.67.251.20 - - [30/12/2019:22:04:11 +0000] "PUT /alerts HTTP/1.1" 400 4672
121.46.173.96 - - [30/12/2019:22:04:28 +0000] "GET /auth HTTP/1.1" 400 4992
45.152.60.232 - - [30/12/2019:22:04:31 +0000] "PUT /auth HTTP/1.1" 400 2675
116.226.175.2 - - [30/12/2019:22:06:00 +0000] "POST /playbooks HTTP/1.1" 400 3872
11.94.106.132 - - [30/12/2019:22:06:06 +0000] "GET /users HTTP/1.1" 400 2892
24.238.212.105 - - [30/12/2019:22:06:15 +0000] "DELETE /events HTTP/1.1" 400 4647
17.99.4.219 - - [30/12/2019:22:06:19 +0000] "PATCH /playbooks HTTP/1.1" 400 4595
83.162.227.229 - - [30/12/2019:22:06:19 +0000] "POST /auth HTTP/1.1" 400 2165
13.148.253.0 - - [30/12/2019:22:06:26 +0000] "PUT /customers HTTP/1.1" 400 3197
113.6.65.93 - - [30/12/2019:22:06:29 +0000] "DELETE /events HTTP/1.1" 400 3930
205.244.176.231 - - [30/12/2019:22:06:36 +0000] "POST /users HTTP/1.1" 400 4369
80.78.191.236 - - [30/12/2019:22:06:39 +0000] "PUT /users HTTP/1.1" 400 3839
61.162.238.16 - - [30/12/2019:22:06:48 +0000] "PUT /fieldsets HTTP/1.1" 400 4074
110.76.34.192 - - [30/12/2019:22:06:48 +0000] "DELETE /customers HTTP/1.1" 400 4276
175.170.60.103 - - [30/12/2019:22:06:50 +0000] "PUT /lists HTTP/1.1" 400 3732
38.245.75.51 - - [30/12/2019:22:07:56 +0000] "PUT /users HTTP/1.1" 400 3878
103.100.41.7 - - [30/12/2019:22:08:03 +0000] "PUT /parsers HTTP/1.1" 400 4023
245.143.174.232 - - [30/12/2019:22:08:04 +0000] "PATCH /lists HTTP/1.1" 400 4573
123.199.131.242 - - [30/12/2019:22:08:14 +0000] "PUT /customers HTTP/1.1" 400 3099
120.26.249.60 - - [30/12/2019:22:08:20 +0000] "POST /playbooks HTTP/1.1" 400 3519
125.34.167.219 - - [30/12/2019:22:08:21 +0000] "GET /lists HTTP/1.1" 400 2442
151.90.61.126 - - [30/12/2019:22:08:28 +0000] "POST /parsers HTTP/1.1" 400 2036
66.121.214.199 - - [30/12/2019:22:08:29 +0000] "PUT /alerts HTTP/1.1" 400 2663
44.175.152.131 - - [30/12/2019:22:08:43 +0000] "PATCH /collectors HTTP/1.1" 400 2232
8.193.65.50 - - [30/12/2019:22:08:55 +0000] "POST /lists HTTP/1.1" 400 3886
197.118.255.121 - - [30/12/2019:22:08:55 +0000] "PUT /events HTTP/1.1" 400 4543
202.149.148.113 - - [30/12/2019:22:10:14 +0000] "DELETE /customers HTTP/1.1" 400 4738
40.115.0.2 - - [30/12/2019:22:10:14 +0000] "POST /users HTTP/1.1" 400 3685
101.218.170.48 - - [30/12/2019:22:10:24 +0000] "DELETE /playbooks HTTP/1.1" 400 2973
0.176.106.130 - - [30/12/2019:22:10:35 +0000] "PATCH /auth HTTP/1.1" 400 3123
230.186.107.244 - - [30/12/2019:22:10:43 +0000] "DELETE /lists HTTP/1.1" 400 3923
87.237.216.248 - - [30/12/2019:22:10:48 +0000] "PATCH /alerts HTTP/1.1" 400 2615
232.70.180.142 - - [30/12/2019:22:10:56 +0000] "PUT /auth HTTP/1.1" 400 2275
7.199.96.221 - - [30/12/2019:22:12:01 +0000] "POST /playbooks HTTP/1.1" 400 4661
9.21.189.86 - - [30/12/2019:22:12:06 +0000] "PATCH /fieldsets HTTP/1.1" 400 2857
68.134.41.162 - - [30/12/2019:22:12:25 +0000] "POST /customers HTTP/1.1" 400 3012
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
```

Texto del archivo 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
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
1.178.37.101 - - [30/12/2019:21:40:08 +0000] "GET /customers HTTP/1.1" 500 4728
17.120.125.170 - - [30/12/2019:21:40:10 +0000] "PUT /events HTTP/1.1" 500 4283
25.63.209.148 - - [30/12/2019:21:41:34 +0000] "PATCH /auth HTTP/1.1" 500 4036
58.19.17.39 - - [30/12/2019:21:41:34 +0000] "GET /playbooks HTTP/1.1" 500 4607
33.217.227.221 - - [30/12/2019:21:41:37 +0000] "PATCH /parsers HTTP/1.1" 500 2450
98.214.135.216 - - [30/12/2019:21:41:41 +0000] "POST /fieldsets HTTP/1.1" 500 3381
135.36.132.9 - - [30/12/2019:21:41:43 +0000] "POST /events HTTP/1.1" 500 4755
86.107.93.36 - - [30/12/2019:21:41:51 +0000] "GET /users HTTP/1.1" 500 3680
220.130.246.245 - - [30/12/2019:21:41:57 +0000] "DELETE /parsers HTTP/1.1" 500 3174
42.87.147.170 - - [30/12/2019:21:41:57 +0000] "PUT /auth HTTP/1.1" 500 3685
114.202.174.224 - - [30/12/2019:21:42:06 +0000] "PUT /alerts HTTP/1.1" 500 4725
163.105.41.175 - - [30/12/2019:21:42:11 +0000] "PUT /users HTTP/1.1" 500 4282
74.212.173.190 - - [30/12/2019:21:42:13 +0000] "POST /customers HTTP/1.1" 500 4335
31.100.72.146 - - [30/12/2019:21:42:14 +0000] "GET /parsers HTTP/1.1" 500 3886
213.153.8.226 - - [30/12/2019:21:43:36 +0000] "DELETE /parsers HTTP/1.1" 500 2179
252.14.101.25 - - [30/12/2019:21:43:36 +0000] "PUT /users HTTP/1.1" 500 3458
254.201.53.35 - - [30/12/2019:21:43:50 +0000] "PUT /alerts HTTP/1.1" 500 3747
58.234.96.125 - - [30/12/2019:21:44:11 +0000] "DELETE /users HTTP/1.1" 500 2418
97.33.223.175 - - [30/12/2019:21:44:13 +0000] "DELETE /alerts HTTP/1.1" 500 3222
101.145.85.67 - - [30/12/2019:21:44:17 +0000] "PATCH /alerts HTTP/1.1" 500 3269
13.192.231.176 - - [30/12/2019:21:44:22 +0000] "PUT /lists HTTP/1.1" 500 4207
214.143.83.138 - - [30/12/2019:21:44:24 +0000] "GET /collectors HTTP/1.1" 500 2776
188.60.10.177 - - [30/12/2019:21:45:35 +0000] "PUT /playbooks HTTP/1.1" 500 4583
125.62.23.54 - - [30/12/2019:21:45:36 +0000] "DELETE /auth HTTP/1.1" 500 2219
2.156.146.146 - - [30/12/2019:21:45:38 +0000] "DELETE /customers HTTP/1.1" 500 4040
206.245.174.41 - - [30/12/2019:21:45:52 +0000] "PUT /fieldsets HTTP/1.1" 500 3129
0.13.125.158 - - [30/12/2019:21:46:09 +0000] "DELETE /alerts HTTP/1.1" 500 2239
145.157.150.245 - - [30/12/2019:21:46:20 +0000] "POST /fieldsets HTTP/1.1" 500 4327
139.143.87.40 - - [30/12/2019:21:46:22 +0000] "PATCH /auth HTTP/1.1" 500 3421
222.251.150.26 - - [30/12/2019:21:46:27 +0000] "PUT /users HTTP/1.1" 500 3183
9.25.245.139 - - [30/12/2019:21:47:34 +0000] "PUT /lists HTTP/1.1" 500 2941
131.231.175.54 - - [30/12/2019:21:47:40 +0000] "PUT /fieldsets HTTP/1.1" 500 3098
177.17.115.186 - - [30/12/2019:21:47:51 +0000] "POST /collectors HTTP/1.1" 500 4503
32.169.20.5 - - [30/12/2019:21:48:19 +0000] "PUT /users HTTP/1.1" 500 3173
139.191.252.179 - - [30/12/2019:21:48:29 +0000] "POST /collectors HTTP/1.1" 500 2090
130.184.189.0 - - [30/12/2019:21:49:57 +0000] "POST /alerts HTTP/1.1" 500 4436
220.78.128.34 - - [30/12/2019:21:50:06 +0000] "PATCH /collectors HTTP/1.1" 500 3634
93.72.233.72 - - [30/12/2019:21:50:15 +0000] "POST /auth HTTP/1.1" 500 2643
20.68.178.87 - - [30/12/2019:21:51:42 +0000] "POST /collectors HTTP/1.1" 500 3669
103.12.102.67 - - [30/12/2019:21:52:05 +0000] "GET /lists HTTP/1.1" 500 4724
87.237.124.231 - - [30/12/2019:21:52:06 +0000] "GET /collectors HTTP/1.1" 500 2222
78.249.80.239 - - [30/12/2019:21:52:19 +0000] "PATCH /playbooks HTTP/1.1" 500 2587
98.164.177.184 - - [30/12/2019:21:52:28 +0000] "GET /auth HTTP/1.1" 500 4105
157.199.200.25 - - [30/12/2019:21:53:49 +0000] "PATCH /playbooks HTTP/1.1" 500 2530
202.238.242.133 - - [30/12/2019:21:54:02 +0000] "PUT /customers HTTP/1.1" 500 2291
244.135.57.99 - - [30/12/2019:21:54:13 +0000] "DELETE /lists HTTP/1.1" 500 3395
185.66.52.46 - - [30/12/2019:21:54:13 +0000] "POST /events HTTP/1.1" 500 4833
187.96.126.108 - - [30/12/2019:21:54:24 +0000] "GET /playbooks HTTP/1.1" 500 4816
50.50.67.213 - - [30/12/2019:21:54:34 +0000] "GET /customers HTTP/1.1" 500 4321
```

```
59.108.223.152 - - [30/12/2019:21:54:39 +0000] "GET /parsers HTTP/1.1" 500 2981
137.222.79.136 - - [30/12/2019:21:55:43 +0000] "POST /parsers HTTP/1.1" 500 4153
70.198.127.132 - - [30/12/2019:21:56:04 +0000] "PUT /alerts HTTP/1.1" 500 2522
191.127.236.25 - - [30/12/2019:21:56:12 +0000] "GET /parsers HTTP/1.1" 500 4720
149.209.139.152 - - [30/12/2019:21:56:23 +0000] "PATCH /events HTTP/1.1" 500 3700
199.217.92.58 - - [30/12/2019:21:56:23 +0000] "PATCH /parsers HTTP/1.1" 500 3660
186.177.42.204 - - [30/12/2019:21:56:26 +0000] "GET /customers HTTP/1.1" 500 4327
253.163.163.35 - - [30/12/2019:21:56:33 +0000] "PUT /customers HTTP/1.1" 500 2617
159.6.112.67 - - [30/12/2019:21:57:46 +0000] "POST /playbooks HTTP/1.1" 500 3830
91.66.202.7 - - [30/12/2019:21:57:58 +0000] "DELETE /users HTTP/1.1" 500 4949
168.173.240.6 - - [30/12/2019:21:58:00 +0000] "DELETE /fieldsets HTTP/1.1" 500 2124
253.99.213.197 - - [30/12/2019:21:58:11 +0000] "POST /collectors HTTP/1.1" 500 4266
144.159.199.142 - - [30/12/2019:21:58:12 +0000] "GET /alerts HTTP/1.1" 500 2237
82.46.103.216 - - [30/12/2019:21:58:31 +0000] "GET /collectors HTTP/1.1" 500 4008
95.191.0.206 - - [30/12/2019:21:58:39 +0000] "GET /customers HTTP/1.1" 500 4538
104.150.34.90 - - [30/12/2019:21:58:44 +0000] "DELETE /fieldsets HTTP/1.1" 500 2430
94.7.235.197 - - [30/12/2019:21:59:56 +0000] "PATCH /lists HTTP/1.1" 500 2593
53.168.206.39 - - [30/12/2019:21:59:57 +0000] "GET /parsers HTTP/1.1" 500 3338
31.221.159.40 - - [30/12/2019:22:00:00 +0000] "POST /events HTTP/1.1" 500 4610
223.75.24.183 - - [30/12/2019:22:00:06 +0000] "GET /customers HTTP/1.1" 500 3936
72.56.185.10 - - [30/12/2019:22:00:09 +0000] "PATCH /playbooks HTTP/1.1" 500 4679
30.166.13.210 - - [30/12/2019:22:00:17 +0000] "DELETE /alerts HTTP/1.1" 500 2010
140.141.44.174 - - [30/12/2019:22:00:22 +0000] "POST /collectors HTTP/1.1" 500 3386
17.94.151.15 - - [30/12/2019:22:00:27 +0000] "DELETE /customers HTTP/1.1" 500 2094
147.252.187.181 - - [30/12/2019:22:00:34 +0000] "GET /auth HTTP/1.1" 500 3305
162.230.4.166 - - [30/12/2019:22:00:38 +0000] "PUT /parsers HTTP/1.1" 500 2395
190.49.114.46 - - [30/12/2019:22:00:39 +0000] "GET /auth HTTP/1.1" 500 4926
90.150.142.135 - - [30/12/2019:22:00:39 +0000] "PUT /alerts HTTP/1.1" 500 4866
168.51.44.150 - - [30/12/2019:22:00:40 +0000] "PATCH /fieldsets HTTP/1.1" 500 4071
92.84.53.160 - - [30/12/2019:22:00:43 +0000] "PUT /parsers HTTP/1.1" 500 4383
82.115.156.217 - - [30/12/2019:22:01:48 +0000] "PATCH /customers HTTP/1.1" 500 2882
35.5.7.241 - - [30/12/2019:22:02:11 +0000] "PUT /alerts HTTP/1.1" 500 3554
170.37.14.64 - - [30/12/2019:22:02:18 +0000] "PATCH /collectors HTTP/1.1" 500 4210
206.72.195.14 - - [30/12/2019:22:02:20 +0000] "POST /alerts HTTP/1.1" 500 2340
93.166.58.73 - - [30/12/2019:22:02:20 +0000] "DELETE /customers HTTP/1.1" 500 2477
176.34.147.81 - - [30/12/2019:22:02:22 +0000] "GET /collectors HTTP/1.1" 500 3930
194.194.214.214 - - [30/12/2019:22:02:48 +0000] "POST /lists HTTP/1.1" 500 2865
73.33.50.29 - - [30/12/2019:22:03:53 +0000] "PATCH /users HTTP/1.1" 500 2447
3.162.206.232 - - [30/12/2019:22:04:00 +0000] "GET /playbooks HTTP/1.1" 500 4914
202.117.176.139 - - [30/12/2019:22:04:08 +0000] "DELETE /events HTTP/1.1" 500 3072
131.84.218.133 - - [30/12/2019:22:04:08 +0000] "DELETE /auth HTTP/1.1" 500 2555
204.24.251.247 - - [30/12/2019:22:04:10 +0000] "PATCH /collectors HTTP/1.1" 500 3884
43.148.12.210 - - [30/12/2019:22:04:11 +0000] "PUT /auth HTTP/1.1" 500 4515
26.34.140.249 - - [30/12/2019:22:04:12 +0000] "PATCH /fieldsets HTTP/1.1" 500 3093
129.233.227.165 - - [30/12/2019:22:04:19 +0000] "GET /playbooks HTTP/1.1" 500 4014
160.215.182.249 - - [30/12/2019:22:04:29 +0000] "POST /events HTTP/1.1" 500 3301
245.211.252.250 - - [30/12/2019:22:04:29 +0000] "PUT /lists HTTP/1.1" 500 3410
115.223.155.145 - - [30/12/2019:22:04:34 +0000] "PATCH /collectors HTTP/1.1" 500 2019
218.208.238.94 - - [30/12/2019:22:04:35 +0000] "PATCH /events HTTP/1.1" 500 3878
25.89.252.123 - - [30/12/2019:22:04:47 +0000] "DELETE /fieldsets HTTP/1.1" 500 4261
168.6.205.4 - - [30/12/2019:22:04:48 +0000] "PUT /parsers HTTP/1.1" 500 3848
122.90.105.46 - - [30/12/2019:22:04:50 +0000] "GET /lists HTTP/1.1" 500 2325
128.61.247.208 - - [30/12/2019:22:06:10 +0000] "PUT /collectors HTTP/1.1" 500 3600
182.130.54.255 - - [30/12/2019:22:06:20 +0000] "PUT /alerts HTTP/1.1" 500 4793
28.194.15.183 - - [30/12/2019:22:06:23 +0000] "DELETE /alerts HTTP/1.1" 500 4875
76.199.147.83 - - [30/12/2019:22:06:43 +0000] "DELETE /auth HTTP/1.1" 500 4572
235.117.199.224 - - [30/12/2019:22:06:44 +0000] "PATCH /fieldsets HTTP/1.1" 500 3600
49.157.65.140 - - [30/12/2019:22:06:44 +0000] "PUT /collectors HTTP/1.1" 500 2916
142.102.54.130 - - [30/12/2019:22:06:46 +0000] "POST /fieldsets HTTP/1.1" 500 2370
18.106.225.129 - - [30/12/2019:22:07:55 +0000] "PUT /users HTTP/1.1" 500 2731
87.139.4.2 - - [30/12/2019:22:08:28 +0000] "PUT /customers HTTP/1.1" 500 3634
36.27.157.165 - - [30/12/2019:22:10:11 +0000] "POST /playbooks HTTP/1.1" 500 3170
234.26.129.126 - - [30/12/2019:22:10:13 +0000] "GET /customers HTTP/1.1" 500 2880
181.163.26.203 - - [30/12/2019:22:10:13 +0000] "GET /events HTTP/1.1" 500 4837
110.243.169.165 - - [30/12/2019:22:10:14 +0000] "DELETE /lists HTTP/1.1" 500 4753
152.16.201.131 - - [30/12/2019:22:10:14 +0000] "PUT /auth HTTP/1.1" 500 2206
114.163.48.91 - - [30/12/2019:22:10:18 +0000] "PUT /customers HTTP/1.1" 500 3674
52.148.80.103 - - [30/12/2019:22:10:21 +0000] "POST /events HTTP/1.1" 500 4887
58.120.79.167 - - [30/12/2019:22:10:22 +0000] "GET /playbooks HTTP/1.1" 500 4614
105.165.173.35 - - [30/12/2019:22:10:31 +0000] "GET /playbooks HTTP/1.1" 500 3033
90.196.138.135 - - [30/12/2019:22:10:49 +0000] "PUT /users HTTP/1.1" 500 2969
```

```
63.85.2.4 - - [30/12/2019:22:12:03 +0000] "PATCH /collectors HTTP/1.1" 500 2916
129.207.157.12 - - [30/12/2019:22:12:07 +0000] "DELETE /alerts HTTP/1.1" 500 2604
182.194.35.194 - - [30/12/2019:22:12:15 +0000] "DELETE /lists HTTP/1.1" 500 3583
151.103.203.77 - - [30/12/2019:22:12:15 +0000] "GET /collectors HTTP/1.1" 500 2744
115.90.105.111 - - [30/12/2019:22:12:23 +0000] "POST /parsers HTTP/1.1" 500 3918
128.18.245.95 - - [30/12/2019:22:12:36 +0000] "PUT /lists HTTP/1.1" 500 3449
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
```

Base de datos

Ejercicio 1

Tienes una base de datos con los viajes en taxi. El plan era tener 10550 vehículos disponibles, lo que cubre la demanda del usuario; sin embargo, el equipo recibió muchas quejas de que no había vehículos suficientes. ¿Cuántos taxis hay actualmente en las calles? La información sobre todos los automóviles suficientes está en la tabla `cabs`.

1. Ve al servidor remoto.
2. Conéctate a la base de datos `chicago_taxi` con el nombre de usuario `morty` y la contraseña `smith`.
3. Cuenta el número total de automóviles en la tabla `cabs`. Recuerda que un automóvil podría pertenecer a distintas compañías.

Número de automóviles:
```
5500
```

La solicitud que utilizaste para resolver la tarea.
```
SELECT
     COUNT(DISTINCT vehicle_id) AS cabs_cnt
FROM
     cabs;
```

Ejercicio 2

En la tabla `cabs`, cuenta el número de automóviles de cada compañía. Ordena los valores en orden descendente. El equipo piensa que algunas compañías no tuvieron suficientes automóviles disponibles. Devuelve las compañías con menos de 100 automóviles. Llama `cnt` (contados) al campo con el número de automóviles, y `company_name` al campo con el nombre de la compañía.
Para resolver el problema, utiliza el operador `HAVING`, una analogía de `WHERE` para las funciones agregadas.

Lista de las compañías con menos de 100 automóviles.
```
 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 | Metro Jet Taxi A
    8 | American United Taxi Affiliation
    7 | Setare Inc
    5 | Leonard Cab Co
    1 | 5874 - 73628 Sergey Cab Corp.
    1 | 0118 - 42111 Godfrey S.Awir
    1 | 6057 - 24657 Richard Addo
    1 | 6574 - Babylon Express Inc.
    1 | 6742 - 83735 Tasha ride inc
    1 | 6743 - 78771 Luhak Corp
    1 | Chicago Star Taxicab
    1 | 5997 - 65283 AW Services Inc.
    1 | 1085 - 72312 N and W Cab Co
    1 | 1469 - 64126 Omar Jada
    1 | 2092 - 61288 Sbeih company
    1 | 2192 - 73487 Zeymane Corp
    1 | 2241 - 44667 - Felman Corp, Manuel Alonso
    1 | 2733 - 74600 Benny Jona
    1 | 2809 - 95474 C & D Cab Co Inc.
    1 | 2823 - 73307 Lee Express Inc
    1 | 3011 - 66308 JBL Cab Inc.
    1 | 3094 - 24059 G.L.B. Cab Co
    1 | 3556 - 36214 RC Andrews Cab
    1 | 3591 - 63480 Chuks Cab
    1 | 3620 - 52292 David K. Cab Corp.
    1 | 3623 - 72222 Arrington Enterprises
    1 | 3721 - Santamaria Express, Alvaro Santamaria
    1 | 4053 - 40193 Adwar H. Nikola
    1 | 4615 - 83503 Tyrone Henderson
    1 | 4623 - 27290 Jay Kim
    1 | 5006 - 39261 Salifu Bawa
    1 | 5062 - 34841 Sam Mestas
    1 | 5074 - 54002 Ahzmi Inc
(51 rows)
```

La solicitud que te ayudó a resolver la tarea.
```
SELECT
    COUNT(DISTINCT cabs.vehicle_id) AS cnt,
    company_name
```

```
FROM
      cabs
GROUP BY
      company_name
HAVING
      COUNT(DISTINCT vehicle_id) < 100
ORDER BY
      cnt DESC;
```

Ejercicio 3

La aplicación de taxis calcula el coeficiente del costo del viaje. Si el clima es bueno, el valor del coeficiente es 1. Si llueve o hay tormentas en el exterior, el coeficiente aumenta a 2. El equipo tiene una hipótesis de que hay un error en el cálculo del coeficiente. Para revisar el cálculo del coeficiente, el equipo necesita una selección de datos: el área de desarrollo puede comparar el coeficiente con los datos en los logs y corregir el bug. Tu tarea es obtener una selección.

Para hacerlo:

1. Obtén una descripción de las condiciones meteorológicas de la tabla `weather_records` para cada hora.
2. Divide todas las horas en dos grupos a través del operador `CASE`: Está `Bad` ("mal") si el campo `description` contiene las palabras "rain" (lluvia) o "storm" (tormenta); `Good` ("bien"), para todas las demás horas.
3. Pon el nombre `weather_conditions` al campo resultante.

La tabla resultante debe tener dos campos: fecha y hora (`ts`) y `weather_conditions`.

Haz una selección para el periodo entre 11-05-2017 12:00 a. m. a 11-06-2017 12:00 a. m.

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
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
```

La solicitud que utilizaste para resolver la tarea.

```
SELECT
    weather_records.ts AS ts,
    CASE
        WHEN description LIKE '%rain%' OR
        description LIKE '%storm%' THEN 'Bad'
        ELSE 'Good' END AS weather_conditions
FROM
    weather_records
WHERE
    ts BETWEEN '11-05-2017 00:00:00' AND
    '11-06-2017 00:00:00';
```

Opción 2:

```
SELECT
    weather_records.ts AS ts,
    CASE
        WHEN description LIKE '%rain%' OR
        description LIKE '%storm%' THEN 'Bad'
        ELSE 'Good' END AS weather_conditions
FROM
    weather_records
WHERE
    ts >= '11-05-2017 00:00:00' AND
    ts <= '11-06-2017 00:00:00';
```

Ejercicio 4

Tras actualizar el software, la compañía de taxis comienza a reportar que la ganancia que reciben no coincide con los datos que proporciona la aplicación. El equipo de desarrollo sugiere que el problema puede estar en los datos sobre el número de viajes.

Para determinar si hay un bug, debes obtener la selección del número de viajes de cada compañía de taxi para los días 15 y 16 de noviembre de 2017.

1. Devuelve el campo `company_name`. Nombra `trips_amount` (cantidad de viajes) al campo con el número de viajes y devuélvelo.
2. Organiza en orden descendente los resultados obtenidos en el campo `trips_amount`.

Pista: para resolver el problema, conecta las tablas de taxis y viajes. Aplica funciones de agregación con agrupamiento. No olvides escribir la construcción con una condición.

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
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)
```

La solicitud que utilizaste para resolver la tarea.

```
SELECT
    cabs.company_name AS company_name,
    COUNT(DISTINCT trip_id) AS trips_amount
FROM
    trips
    INNER JOIN weather_records ON trips.start_ts =
    weather_records.ts
    INNER JOIN cabs ON trips.cab_id = cabs.cab_id
WHERE
    weather_records.ts BETWEEN '2017-11-15 00:00:00'
    AND '2017-11-16 23:59:59'
GROUP BY
    company_name
ORDER BY
    trips_amount DESC;
```