

# Consola

## Ejercicio 1

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

```
:~$ logs/2019/12
:~$ ls -t logs/2019/12
```

```
grep -r "^233.201" ~/logs/2019/12
```

Registros: Considerando solo las direcciones que comiencen con "233.201".:

```
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
cd events
touch "400".txt
touch "500".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:

```
cd ~
grep "400 " logs/2019/12/apache_2019-12-30.txt > bug1/main.txt
grep "500 " 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:

```
:~$ cd bug1
:~/bug1$ grep "400" main.txt > events/400.txt
:~/bug1$ grep "500" main.txt > events/500.txt
```

### 400.txt

```
cd ~
cd bug1
cd events
:~/bug1/events$ cat 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

## 500.txt

```
cd ~
cd bug1
cd events
:~/bug1/events$ cat 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

Número de automóviles:      **5,500**

La solicitud que utilizaste para resolver la tarea.:

```
SELECT COUNT ( DISTINCT vehicle_id ) AS total_vehicle 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
Metro Jet Taxi A	8
American United Taxi Affiliation	8
Setare Inc	7
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	1

(51 rows)

La solicitud que te ayudó a resolver la tarea.

```
SELECT company_name AS company_name, COUNT ( DISTINCT vehicle_id ) AS cnt FROM cabs
GROUP BY company_name HAVING count (DISTINCT 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
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)

La solicitud que utilizaste para resolver la tarea.

```
chicago_taxi=# SELECT ts, CASE WHEN description LIKE '%rain%' OR description LIKE
'%storm%' THEN 'BAD' ELSE 'GOOD' END AS weather_conditions FROM weather_records
WHERE ts BETWEEN '2017-11-05 00:00:00' AND '2017-11-06 00:00:00';
```

### **Ejercicio 4**

La tabla con datos para un período específico.

trips_amount	company_name
19558	Flash Cab
11422	Taxi Affiliation Services
10367	Medallion Leasin
9888	Yellow Cab
9299	Taxi Affiliation Service Yellow
9181	Chicago Carriage Cab Corp
8448	City Service
7701	Sun Taxi
7455	Star North Management LLC
5953	Blue Ribbon Taxi Association Inc.
5015	Choice Taxi Association
4383	Globe Taxi
3355	Dispatch Taxi Affiliation
3175	Nova Taxi Affiliation Llc
2235	Patriot Taxi DbA Peace Taxi Associat
2216	Checker Taxi Affiliation
2070	Blue Diamond



1955		Chicago Medallion Management
1775		24 Seven Taxi
1607		Chicago Medallion Leasing INC
1486		Checker Taxi
1404		American United
1296		Chicago Independents
1259		KOAM Taxi Association
1014		Chicago Taxicab
978		Top Cab Affiliation
428		Gold Coast Taxi
402		Service Taxi Association
310		5 Star Taxi
250		303 Taxi
230		Setare Inc
210		American United Taxi Affiliation
147		Leonard Cab Co
146		Metro Jet Taxi A
127		Norshore Cab
39		6742 - 83735 Tasha ride inc
37		3591 - 63480 Chuks Cab
36		1469 - 64126 Omar Jada
33		6743 - 78771 Luhak Corp
33		0118 - 42111 Godfrey S.Awir
31		6574 - Babylon Express Inc.
29		Chicago Star Taxicab
29		1085 - 72312 N and W Cab Co
29		2809 - 95474 C & D Cab Co Inc.
27		2092 - 61288 Sbeih company
25		3011 - 66308 JBL Cab Inc.
21		3620 - 52292 David K. Cab Corp.
21		4615 - 83503 Tyrone Henderson
20		3623 - 72222 Arrington Enterprises
16		5074 - 54002 Ahzmi Inc
15		2823 - 73307 Lee Express Inc
15		4623 - 27290 Jay Kim
14		3721 - Santamaria Express, Alvaro Santamaria
14		5006 - 39261 Salifu Bawa
14		2192 - 73487 Zeymane Corp
13		6057 - 24657 Richard Addo
12		5997 - 65283 AW Services Inc.
11		Metro Group
8		5062 - 34841 Sam Mestas
7		4053 - 40193 Adwar H. Nikola
7		2733 - 74600 Benny Jona
5		5874 - 73628 Sergey Cab Corp.
3		2241 - 44667 - Felman Corp, Manuel Alonso
2		3556 - 36214 RC Andrews Cab

(64 rows)

La solicitud que utilizaste para resolver la tarea.

```
chicago_taxi=# SELECT COUNT ( trips.trip_id) AS TRIPS_AMOUNT, company_name AS
company_name FROM trips INNER JOIN cabs 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;
```