Дегодий Олеся, 28-я когорта, 4-й спринт

**Консоль**

**Задание 1**

Команда или последовательность команд, которой удалось получить нужные логи:

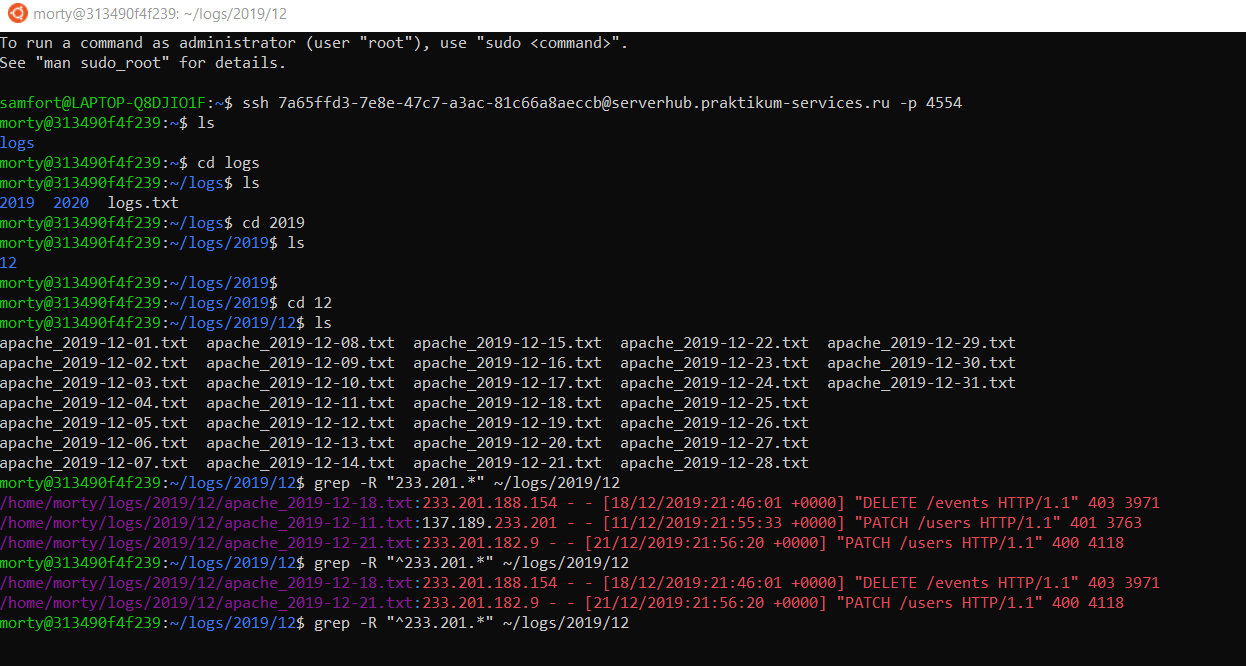
morty@313490f4f239:~/logs/2019/12$ grep -R "^233.201.\*" ~/logs/2019/12

**Логи:**

/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

**Прилагаю скриншот, так на всякий случай.** Я сначала проверила есть ли точно каталог “12”, потом через Grep вывела результат, но как видно по скриншоту исправилась)



**Задание 2**

Команды, которые создают директории bug1 и events:

morty@313490f4f239:~$ mkdir ~/bug1

morty@313490f4f239:~$ mkdir ~/bug1/events

morty@313490f4f239:~/bug1$ touch main.txt

morty@313490f4f239:~/bug1/events$ touch 400.txt 500.txt

Команда, которой выбираешь запросы за указанный период. Это те запросы, которыми ты отбираешь логи в файл main.txt:  
morty@313490f4f239:~$ grep -R "3./12/2019:21:3.:.." ~/logs/2019/12/apache\_2019-12-3\*.txt > bug1/main.txt

Команды, которыми ты кладёшь логи в файлы 400.txt и 500.txt из main.txt:  
morty@313490f4f239:~$ grep -R "400" ~/bug1/main.txt > bug1/events/400.txt

morty@313490f4f239:~$ grep -R "500" ~/bug1/main.txt > bug1/events/500.txt

400.txt  
morty@313490f4f239:~/bug1/events$ cat ~/bug1/events/400.txt

/home/morty/logs/2019/12/apache\_2019-12-30.txt:80.57.170.51 - - [30/12/2019:21:35:12 +0000] "DELETE /users HTTP/1.1" 400 3623

/home/morty/logs/2019/12/apache\_2019-12-30.txt:204.235.176.118 - - [30/12/2019:21:35:13 +0000] "POST /users HTTP/1.1" 400 4704

/home/morty/logs/2019/12/apache\_2019-12-30.txt:82.95.203.67 - - [30/12/2019:21:35:19 +0000] "DELETE /lists HTTP/1.1" 400 3737

/home/morty/logs/2019/12/apache\_2019-12-30.txt:155.242.215.46 - - [30/12/2019:21:35:38 +0000] "POST /playbooks HTTP/1.1" 400 4450

/home/morty/logs/2019/12/apache\_2019-12-30.txt:189.176.85.0 - - [30/12/2019:21:35:39 +0000] "PATCH /alerts HTTP/1.1" 400 2732

/home/morty/logs/2019/12/apache\_2019-12-30.txt:13.108.71.71 - - [30/12/2019:21:35:43 +0000] "PATCH /events HTTP/1.1" 400 3410

/home/morty/logs/2019/12/apache\_2019-12-30.txt:195.213.133.182 - - [30/12/2019:21:35:46 +0000] "PUT /customers HTTP/1.1" 400 3085

/home/morty/logs/2019/12/apache\_2019-12-30.txt:235.243.133.78 - - [30/12/2019:21:35:47 +0000] "PATCH /customers HTTP/1.1" 400 3264

/home/morty/logs/2019/12/apache\_2019-12-30.txt:192.57.115.49 - - [30/12/2019:21:35:55 +0000] "POST /parsers HTTP/1.1" 400 2457

/home/morty/logs/2019/12/apache\_2019-12-30.txt:71.0.49.244 - - [30/12/2019:21:35:55 +0000] "PUT /collectors HTTP/1.1" 400 2785

/home/morty/logs/2019/12/apache\_2019-12-30.txt:224.159.206.126 - - [30/12/2019:21:36:02 +0000] "DELETE /customers HTTP/1.1" 400 4569

/home/morty/logs/2019/12/apache\_2019-12-30.txt:131.35.106.246 - - [30/12/2019:21:36:04 +0000] "DELETE /lists HTTP/1.1" 400 2578

/home/morty/logs/2019/12/apache\_2019-12-30.txt:216.24.42.208 - - [30/12/2019:21:36:06 +0000] "GET /parsers HTTP/1.1" 400 4597

/home/morty/logs/2019/12/apache\_2019-12-30.txt:123.53.150.160 - - [30/12/2019:21:37:19 +0000] "PATCH /events HTTP/1.1" 400 4379

/home/morty/logs/2019/12/apache\_2019-12-30.txt:61.129.127.103 - - [30/12/2019:21:37:32 +0000] "GET /lists HTTP/1.1" 400 2575

/home/morty/logs/2019/12/apache\_2019-12-30.txt:90.216.4.78 - - [30/12/2019:21:37:34 +0000] "PATCH /lists HTTP/1.1" 400 3899

/home/morty/logs/2019/12/apache\_2019-12-30.txt:204.250.214.208 - - [30/12/2019:21:37:36 +0000] "PATCH /parsers HTTP/1.1" 400 4742

/home/morty/logs/2019/12/apache\_2019-12-30.txt:79.214.240.98 - - [30/12/2019:21:37:37 +0000] "POST /fieldsets HTTP/1.1" 400 4441

/home/morty/logs/2019/12/apache\_2019-12-30.txt:65.47.42.12 - - [30/12/2019:21:37:39 +0000] "PATCH /customers HTTP/1.1" 400 2500

/home/morty/logs/2019/12/apache\_2019-12-30.txt:251.118.141.34 - - [30/12/2019:21:37:41 +0000] "POST /customers HTTP/1.1" 400 3519

/home/morty/logs/2019/12/apache\_2019-12-30.txt:205.20.166.196 - - [30/12/2019:21:37:51 +0000] "POST /users HTTP/1.1" 400 4032

/home/morty/logs/2019/12/apache\_2019-12-30.txt:156.217.3.46 - - [30/12/2019:21:37:52 +0000] "PATCH /parsers HTTP/1.1" 400 2020

/home/morty/logs/2019/12/apache\_2019-12-30.txt:48.240.198.167 - - [30/12/2019:21:37:57 +0000] "PATCH /playbooks HTTP/1.1" 400 4100

/home/morty/logs/2019/12/apache\_2019-12-30.txt:101.255.159.211 - - [30/12/2019:21:37:59 +0000] "GET /auth HTTP/1.1" 400 2324

/home/morty/logs/2019/12/apache\_2019-12-30.txt:80.76.98.203 - - [30/12/2019:21:38:00 +0000] "POST /playbooks HTTP/1.1" 400 3045

/home/morty/logs/2019/12/apache\_2019-12-30.txt:85.64.63.255 - - [30/12/2019:21:38:13 +0000] "PATCH /collectors HTTP/1.1" 400 2291

/home/morty/logs/2019/12/apache\_2019-12-30.txt:184.79.247.161 - - [30/12/2019:21:38:13 +0000] "PUT /alerts HTTP/1.1" 400 3557

/home/morty/logs/2019/12/apache\_2019-12-30.txt:93.2.134.22 - - [30/12/2019:21:39:39 +0000] "DELETE /alerts HTTP/1.1" 400 3701

/home/morty/logs/2019/12/apache\_2019-12-31.txt:86.34.86.182 - - [31/12/2019:21:35:10 +0000] "POST /auth HTTP/1.1" 400 3626

/home/morty/logs/2019/12/apache\_2019-12-31.txt:167.37.16.117 - - [31/12/2019:21:35:17 +0000] "PATCH /customers HTTP/1.1" 400 3294

/home/morty/logs/2019/12/apache\_2019-12-31.txt:199.128.92.19 - - [31/12/2019:21:35:43 +0000] "PUT /users HTTP/1.1" 400 4180

/home/morty/logs/2019/12/apache\_2019-12-31.txt:162.152.99.143 - - [31/12/2019:21:35:59 +0000] "PUT /users HTTP/1.1" 400 4606

/home/morty/logs/2019/12/apache\_2019-12-31.txt:83.115.59.224 - - [31/12/2019:21:37:26 +0000] "GET /alerts HTTP/1.1" 400 3489

/home/morty/logs/2019/12/apache\_2019-12-31.txt:194.10.97.226 - - [31/12/2019:21:37:31 +0000] "DELETE /lists HTTP/1.1" 400 2447

/home/morty/logs/2019/12/apache\_2019-12-31.txt:180.99.214.40 - - [31/12/2019:21:37:44 +0000] "DELETE /alerts HTTP/1.1" 400 2077

/home/morty/logs/2019/12/apache\_2019-12-31.txt:154.152.205.4 - - [31/12/2019:21:37:50 +0000] "GET /playbooks HTTP/1.1" 400 3324

/home/morty/logs/2019/12/apache\_2019-12-31.txt:197.82.125.54 - - [31/12/2019:21:37:52 +0000] "PUT /fieldsets HTTP/1.1" 400 4365

/home/morty/logs/2019/12/apache\_2019-12-31.txt:115.89.87.219 - - [31/12/2019:21:38:06 +0000] "PUT /playbooks HTTP/1.1" 400 2589

/home/morty/logs/2019/12/apache\_2019-12-31.txt:100.77.15.14 - - [31/12/2019:21:38:07 +0000] "GET /fieldsets HTTP/1.1" 400 4911

/home/morty/logs/2019/12/apache\_2019-12-31.txt:22.33.159.242 - - [31/12/2019:21:38:07 +0000] "GET /playbooks HTTP/1.1" 400 3955

/home/morty/logs/2019/12/apache\_2019-12-31.txt:149.148.229.11 - - [31/12/2019:21:39:16 +0000] "GET /users HTTP/1.1" 400 2071

/home/morty/logs/2019/12/apache\_2019-12-31.txt:236.107.64.192 - - [31/12/2019:21:39:17 +0000] "PATCH /users HTTP/1.1" 400 2791

/home/morty/logs/2019/12/apache\_2019-12-31.txt:24.156.105.39 - - [31/12/2019:21:39:23 +0000] "GET /lists HTTP/1.1" 400 2902

/home/morty/logs/2019/12/apache\_2019-12-31.txt:193.50.164.254 - - [31/12/2019:21:39:23 +0000] "PUT /playbooks HTTP/1.1" 400 3296

/home/morty/logs/2019/12/apache\_2019-12-31.txt:18.123.104.91 - - [31/12/2019:21:39:52 +0000] "GET /collectors HTTP/1.1" 400 4372

/home/morty/logs/2019/12/apache\_2019-12-31.txt:234.218.148.4 - - [31/12/2019:21:39:54 +0000] "PUT /users HTTP/1.1" 400 2509

500.txt.  
/home/morty/logs/2019/12/apache\_2019-12-30.txt:64.250.112.189 - - [30/12/2019:21:35:13 +0000] "PUT /parsers HTTP/1.1" 500 4639

/home/morty/logs/2019/12/apache\_2019-12-30.txt:193.253.101.180 - - [30/12/2019:21:35:31 +0000] "PATCH /alerts HTTP/1.1" 500 2944

/home/morty/logs/2019/12/apache\_2019-12-30.txt:197.106.117.194 - - [30/12/2019:21:35:31 +0000] "PATCH /parsers HTTP/1.1" 500 3519

/home/morty/logs/2019/12/apache\_2019-12-30.txt:247.124.71.67 - - [30/12/2019:21:35:45 +0000] "PUT /alerts HTTP/1.1" 500 2746

/home/morty/logs/2019/12/apache\_2019-12-30.txt:62.88.204.119 - - [30/12/2019:21:35:51 +0000] "PUT /auth HTTP/1.1" 500 2666

/home/morty/logs/2019/12/apache\_2019-12-30.txt:125.156.142.26 - - [30/12/2019:21:36:01 +0000] "PATCH /events HTTP/1.1" 500 3460

/home/morty/logs/2019/12/apache\_2019-12-30.txt:144.170.212.70 - - [30/12/2019:21:36:04 +0000] "DELETE /parsers HTTP/1.1" 500 2599

/home/morty/logs/2019/12/apache\_2019-12-30.txt:59.39.200.252 - - [30/12/2019:21:36:05 +0000] "GET /alerts HTTP/1.1" 500 2650

/home/morty/logs/2019/12/apache\_2019-12-30.txt:150.136.200.100 - - [30/12/2019:21:37:24 +0000] "POST /lists HTTP/1.1" 500 2684

/home/morty/logs/2019/12/apache\_2019-12-30.txt:84.81.25.45 - - [30/12/2019:21:37:25 +0000] "POST /auth HTTP/1.1" 500 2052

/home/morty/logs/2019/12/apache\_2019-12-30.txt:30.222.160.141 - - [30/12/2019:21:37:30 +0000] "PATCH /parsers HTTP/1.1" 500 2017

/home/morty/logs/2019/12/apache\_2019-12-30.txt:117.87.158.36 - - [30/12/2019:21:37:34 +0000] "POST /fieldsets HTTP/1.1" 500 4056

/home/morty/logs/2019/12/apache\_2019-12-30.txt:212.153.128.212 - - [30/12/2019:21:37:42 +0000] "PUT /fieldsets HTTP/1.1" 500 3259

/home/morty/logs/2019/12/apache\_2019-12-30.txt:58.188.83.217 - - [30/12/2019:21:37:46 +0000] "POST /playbooks HTTP/1.1" 500 3947

/home/morty/logs/2019/12/apache\_2019-12-30.txt:193.123.131.146 - - [30/12/2019:21:37:47 +0000] "PUT /lists HTTP/1.1" 500 3902

/home/morty/logs/2019/12/apache\_2019-12-30.txt:182.7.179.91 - - [30/12/2019:21:37:48 +0000] "GET /users HTTP/1.1" 500 2950

/home/morty/logs/2019/12/apache\_2019-12-30.txt:10.25.168.164 - - [30/12/2019:21:38:05 +0000] "PATCH /playbooks HTTP/1.1" 500 3858

/home/morty/logs/2019/12/apache\_2019-12-30.txt:215.201.210.173 - - [30/12/2019:21:38:11 +0000] "PATCH /customers HTTP/1.1" 500 3277

/home/morty/logs/2019/12/apache\_2019-12-30.txt:179.241.103.167 - - [30/12/2019:21:39:23 +0000] "POST /lists HTTP/1.1" 500 3669

/home/morty/logs/2019/12/apache\_2019-12-30.txt:147.188.170.252 - - [30/12/2019:21:39:33 +0000] "POST /fieldsets HTTP/1.1" 500 3313

/home/morty/logs/2019/12/apache\_2019-12-30.txt:1.249.123.189 - - [30/12/2019:21:39:36 +0000] "PATCH /alerts HTTP/1.1" 500 4734

/home/morty/logs/2019/12/apache\_2019-12-30.txt:124.114.135.105 - - [30/12/2019:21:39:41 +0000] "PATCH /customers HTTP/1.1" 500 3348

/home/morty/logs/2019/12/apache\_2019-12-30.txt:35.215.100.202 - - [30/12/2019:21:39:43 +0000] "PUT /alerts HTTP/1.1" 500 4345

/home/morty/logs/2019/12/apache\_2019-12-30.txt:86.222.23.128 - - [30/12/2019:21:39:44 +0000] "PATCH /alerts HTTP/1.1" 500 2230

/home/morty/logs/2019/12/apache\_2019-12-30.txt:20.161.75.95 - - [30/12/2019:21:39:48 +0000] "DELETE /users HTTP/1.1" 500 2412

/home/morty/logs/2019/12/apache\_2019-12-30.txt:196.18.151.117 - - [30/12/2019:21:39:55 +0000] "PUT /events HTTP/1.1" 500 4439

/home/morty/logs/2019/12/apache\_2019-12-30.txt:77.101.138.151 - - [30/12/2019:21:39:57 +0000] "PUT /lists HTTP/1.1" 500 2194

/home/morty/logs/2019/12/apache\_2019-12-31.txt:208.205.133.127 - - [31/12/2019:21:35:17 +0000] "DELETE /alerts HTTP/1.1" 500 4561

/home/morty/logs/2019/12/apache\_2019-12-31.txt:20.145.255.91 - - [31/12/2019:21:35:30 +0000] "GET /parsers HTTP/1.1" 500 3051

/home/morty/logs/2019/12/apache\_2019-12-31.txt:91.66.134.13 - - [31/12/2019:21:35:53 +0000] "POST /lists HTTP/1.1" 500 3319

/home/morty/logs/2019/12/apache\_2019-12-31.txt:31.88.211.206 - - [31/12/2019:21:35:57 +0000] "DELETE /events HTTP/1.1" 500 2325

/home/morty/logs/2019/12/apache\_2019-12-31.txt:171.37.114.114 - - [31/12/2019:21:37:39 +0000] "DELETE /fieldsets HTTP/1.1" 500 3253

/home/morty/logs/2019/12/apache\_2019-12-31.txt:223.157.242.167 - - [31/12/2019:21:37:59 +0000] "POST /users HTTP/1.1" 500 2283

/home/morty/logs/2019/12/apache\_2019-12-31.txt:98.181.102.34 - - [31/12/2019:21:38:06 +0000] "PATCH /fieldsets HTTP/1.1" 500 4672

/home/morty/logs/2019/12/apache\_2019-12-31.txt:254.74.22.79 - - [31/12/2019:21:38:06 +0000] "PUT /lists HTTP/1.1" 500 2259

/home/morty/logs/2019/12/apache\_2019-12-31.txt:103.46.238.3 - - [31/12/2019:21:38:09 +0000] "PUT /lists HTTP/1.1" 500 3992

/home/morty/logs/2019/12/apache\_2019-12-31.txt:41.62.205.107 - - [31/12/2019:21:39:20 +0000] "PATCH /alerts HTTP/1.1" 500 3631

/home/morty/logs/2019/12/apache\_2019-12-31.txt:22.53.105.197 - - [31/12/2019:21:39:31 +0000] "DELETE /collectors HTTP/1.1" 500 4202

/home/morty/logs/2019/12/apache\_2019-12-31.txt:178.22.133.42 - - [31/12/2019:21:39:43 +0000] "PUT /alerts HTTP/1.1" 500 4648

/home/morty/logs/2019/12/apache\_2019-12-31.txt:102.247.13.50 - - [31/12/2019:21:39:55 +0000] "PATCH /auth HTTP/1.1" 500 3736

**База данных**

**Задание 1**

Число автомобилей:  
 count

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  5529

(1 row)

Запрос, которым тебе удалось решить задачу.  
chicago\_taxi=#  SELECT COUNT(\*) FROM cabs;

**Задание 2**

Список компаний с числом автомобилей меньше 100.

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

Запрос, которым тебе удалось решить задачу.

chicago\_taxi=# SELECT company\_name, COUNT(cab\_id) as cnt FROM cabs GROUP BY company\_name HAVING COUNT(cab\_id) < 100 ORDER BY cnt DESC;

**Задание 3**

Таблица с данными за указанный период.

| 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)** |  |

Запрос, которым удалось решить задачу.

 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' AND ts <= '2017-11-06';

**Задание 4**

*Таблица с данными за указанный период.*

| *company\_name* | *trips\_amount* |
| --- | --- |
|  |  |
| *Chicago Carriage Cab Corp* | *34* |
| *Flash Cab* | *33* |
| *Taxi Affiliation Services* | *28* |
| *Taxi Affiliation Service Yellow* | *25* |
| *City Service* | *25* |
| *Medallion Leasin* | *22* |
| *303 Taxi* | *21* |
| *Yellow Cab* | *20* |
| *Choice Taxi Association* | *17* |
| *Globe Taxi* | *16* |
| *Sun Taxi* | *16* |
| *Star North Management LLC* | *11* |
| *Blue Ribbon Taxi Association Inc.* | *9* |
| *Checker Taxi Affiliation* | *9* |
| *Dispatch Taxi Affiliation* | *9* |
| *Patriot Taxi Dba Peace Taxi Associat* | *8* |
| *American United* | *5* |
| *Nova Taxi Affiliation Llc* | *5* |
| *24 Seven Taxi* | *4* |
| *Chicago Medallion Leasing INC* | *4* |
| *Blue Diamond* | *4* |
| *Chicago Medallion Management* | *3* |
| *Top Cab Affiliation* | *3* |
| *KOAM Taxi Association* | *3* |
| *Checker Taxi* | *3* |
| *Chicago Taxicab* | *3* |
| *Chicago Independents* | *2* |
| *Metro Jet Taxi A* | *1* |
| *Gold Coast Taxi* | *1* |
| *Norshore Cab* | *1* |
| *(30 rows)* |  |

*Запрос, которым удалось решить задачу.*

*SELECT cabs.company\_name,*

*COUNT(trips.trip\_id) as trips\_amount*

*FROM trips*

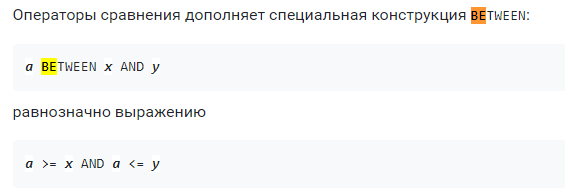
*INNER JOIN cabs ON cabs.cab\_id = trips.trip\_id*

*WHERE CAST(trips.start\_ts AS date) = '2017-11-15' OR CAST(trips.start\_ts AS date) = '2017-11-16'*

*GROUP BY cabs.company\_name*

*ORDER BY trips\_amount DESC;*

**Привет, попробовала через BETWEEN, нашла к нему документацию. Но немного в растерянности. На учебе открыли ответ, что таблица за указанный период должна содержать 64 строк. Вернемся к битвину, по условия он работает так, то есть он должен включить эти даты. ну и он вроде это делает.**



**Но когда я срезаю по BETWEEN '2017-11-15' AND '2017-11-16', получаю 60 rows**

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

company\_name | trips\_amount

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

Flash Cab | 10048

Taxi Affiliation Services | 6039

Medallion Leasin | 5156

Yellow Cab | 4989

Taxi Affiliation Service Yellow | 4766

Chicago Carriage Cab Corp | 4655

City Service | 4370

Sun Taxi | 3856

Star North Management LLC | 3794

Blue Ribbon Taxi Association Inc. | 3048

Choice Taxi Association | 2592

Globe Taxi | 2259

Dispatch Taxi Affiliation | 1820

Nova Taxi Affiliation Llc | 1588

Patriot Taxi Dba Peace Taxi Associat | 1132

Checker Taxi Affiliation | 1120

Chicago Medallion Management | 1023

Blue Diamond | 1011

24 Seven Taxi | 936

Chicago Medallion Leasing INC | 847

Checker Taxi | 759

American United | 754

Chicago Independents | 659

KOAM Taxi Association | 653

Chicago Taxicab | 557

Top Cab Affiliation | 506

Service Taxi Association | 221

5 Star Taxi | 171

Gold Coast Taxi | 166

Setare Inc | 114

303 Taxi | 113

American United Taxi Affiliation | 104

Metro Jet Taxi A | 85

Leonard Cab Co | 67

Norshore Cab | 61

3591 - 63480 Chuks Cab | 23

6743 - 78771 Luhak Corp | 22

0118 - 42111 Godfrey S.Awir | 21

2809 - 95474 C & D Cab Co Inc. | 19

1469 - 64126 Omar Jada | 19

3011 - 66308 JBL Cab Inc. | 18

6742 - 83735 Tasha ride inc | 17

Chicago Star Taxicab | 17

1085 - 72312 N and W Cab Co | 16

3620 - 52292 David K. Cab Corp. | 15

2092 - 61288 Sbeih company | 13

6574 - Babylon Express Inc. | 13

3623 - 72222 Arrington Enterprises | 11

3721 - Santamaria Express, Alvaro Santamaria | 11

4615 - 83503 Tyrone Henderson | 9

2823 - 73307 Lee Express Inc | 8

4623 - 27290 Jay Kim | 8

2192 - 73487 Zeymane Corp | 6

5006 - 39261 Salifu Bawa | 6

5874 - 73628 Sergey Cab Corp. | 5

4053 - 40193 Adwar H. Nikola | 5

5062 - 34841 Sam Mestas | 5

5997 - 65283 AW Services Inc. | 4

Metro Group | 3

5074 - 54002 Ahzmi Inc | 1

(60 rows)

**Но где 64? Допустим поездка началась на самом деле 14 числа и закончилась 16 или началась 15, но закончилась 17, то BETWEEN '2017-11-14' AND '2017-11-17'. Таким образом мы получаем заветную цифру, но…продолжение следует :D**

SELECT cabs.company\_name, COUNT(trips.trip\_id) AS trips\_amount FROM cabs INNER JOIN trips ON trips.cab\_id = cabs.cab\_id WHERE trips.start\_ts BETWEEN '2017-11-14' AND '2017-11-17' GROUP BY cabs.company\_name ORDER BY trips\_amount

DESC;

company\_name | trips\_amount

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

Flash Cab | 28712

Taxi Affiliation Services | 16752

Medallion Leasin | 15121

Yellow Cab | 14805

Taxi Affiliation Service Yellow | 13845

Chicago Carriage Cab Corp | 13625

City Service | 12499

Sun Taxi | 11046

Star North Management LLC | 10848

Blue Ribbon Taxi Association Inc. | 8731

Choice Taxi Association | 7252

Globe Taxi | 6414

Dispatch Taxi Affiliation | 4884

Nova Taxi Affiliation Llc | 4535

Patriot Taxi Dba Peace Taxi Associat | 3228

Checker Taxi Affiliation | 3207

Blue Diamond | 2971

Chicago Medallion Management | 2917

24 Seven Taxi | 2522

Chicago Medallion Leasing INC | 2376

Checker Taxi | 2229

American United | 2046

Chicago Independents | 1907

KOAM Taxi Association | 1809

Chicago Taxicab | 1471

Top Cab Affiliation | 1415

Gold Coast Taxi | 635

Service Taxi Association | 583

5 Star Taxi | 464

303 Taxi | 382

Setare Inc | 342

American United Taxi Affiliation | 305

Leonard Cab Co | 268

Metro Jet Taxi A | 218

Norshore Cab | 193

3591 - 63480 Chuks Cab | 58

1469 - 64126 Omar Jada | 56

6742 - 83735 Tasha ride inc | 51

3011 - 66308 JBL Cab Inc. | 49

6743 - 78771 Luhak Corp | 48

Chicago Star Taxicab | 45

0118 - 42111 Godfrey S.Awir | 45

1085 - 72312 N and W Cab Co | 43

6574 - Babylon Express Inc. | 41

2809 - 95474 C & D Cab Co Inc. | 37

2092 - 61288 Sbeih company | 34

3620 - 52292 David K. Cab Corp. | 33

3620 - 52292 David K. Cab Corp. | 33

4615 - 83503 Tyrone Henderson | 30

3623 - 72222 Arrington Enterprises | 27

5006 - 39261 Salifu Bawa | 24

2192 - 73487 Zeymane Corp | 22

4623 - 27290 Jay Kim | 20

Metro Group | 17

3721 - Santamaria Express, Alvaro Santamaria | 17

5062 - 34841 Sam Mestas | 16

5074 - 54002 Ahzmi Inc | 16

2733 - 74600 Benny Jona | 16

2823 - 73307 Lee Express Inc | 15

6057 - 24657 Richard Addo | 13

3556 - 36214 RC Andrews Cab | 13

5997 - 65283 AW Services Inc. | 13

5874 - 73628 Sergey Cab Corp. | 12

4053 - 40193 Adwar H. Nikola | 11

2241 - 44667 - Felman Corp, Manuel Alonso | 3

(64 rows)

**Только мне это как то не нравится. Выходит, он захватывает начало поездки и 17 числа? или поездка начинающаяся 14, но закончившееся 17…**

**Попытаюсь сейчас разделить даты на старт и окончание. то есть WHERE (trips.start\_ts BETWEEN '2017-11-14' AND '2017-11-16') AND (trips.end\_ts BETWEEN '2017-11-15' AND '2017-11-17'). Но он снова выводит 60 строк. Где все таки правда? :D**

SELECT cabs.company\_name, COUNT(trips.trip\_id) AS trips\_amount FROM cabs INNER JOIN trips ON trips.cab\_id = cabs.cab\_id WHERE (trips.start\_ts BETWEEN '2017-11-14' AND '2017-11-16') AND (trips.end\_ts BETWEEN '2017-11-15' AND '2017-11-17') GROUP BY cabs.company\_name ORDER BY trips\_amount DESC;

company\_name | trips\_amount

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

Flash Cab | 10107

Taxi Affiliation Services | 6082

Medallion Leasin | 5173

Yellow Cab | 5030

Taxi Affiliation Service Yellow | 4786

Chicago Carriage Cab Corp | 4677

City Service | 4384

Sun Taxi | 3864

Star North Management LLC | 3823

Blue Ribbon Taxi Association Inc. | 3068

Choice Taxi Association | 2601

Globe Taxi | 2272

Dispatch Taxi Affiliation | 1829

Nova Taxi Affiliation Llc | 1594

Patriot Taxi Dba Peace Taxi Associat | 1137

Checker Taxi Affiliation | 1124

Chicago Medallion Management | 1026

Blue Diamond | 1016

24 Seven Taxi | 938

Chicago Medallion Leasing INC | 853

Checker Taxi | 764

American United | 758

Chicago Independents | 660

KOAM Taxi Association | 656

Chicago Taxicab | 558

Top Cab Affiliation | 513

Service Taxi Association | 222

5 Star Taxi | 171

Gold Coast Taxi | 168

Setare Inc | 114

303 Taxi | 113

American United Taxi Affiliation | 104

Metro Jet Taxi A | 86

Leonard Cab Co | 68

Norshore Cab | 61

3591 - 63480 Chuks Cab | 23

6743 - 78771 Luhak Corp | 22

0118 - 42111 Godfrey S.Awir | 21

2809 - 95474 C & D Cab Co Inc. | 19

1469 - 64126 Omar Jada | 19

3011 - 66308 JBL Cab Inc. | 18

6742 - 83735 Tasha ride inc | 17

Chicago Star Taxicab | 17

1085 - 72312 N and W Cab Co | 16

3620 - 52292 David K. Cab Corp. | 15

2092 - 61288 Sbeih company | 13

6574 - Babylon Express Inc. | 13

3623 - 72222 Arrington Enterprises | 11

3721 - Santamaria Express, Alvaro Santamaria | 11

4615 - 83503 Tyrone Henderson | 9

2823 - 73307 Lee Express Inc | 8

4623 - 27290 Jay Kim | 8

2192 - 73487 Zeymane Corp | 6

5006 - 39261 Salifu Bawa | 6

5874 - 73628 Sergey Cab Corp. | 5

4053 - 40193 Adwar H. Nikola | 5

5062 - 34841 Sam Mestas | 5

5997 - 65283 AW Services Inc. | 4

Metro Group | 3

5074 - 54002 Ahzmi Inc | 1

(60 rows)