

Консоль

Задание 1

Команда или последовательность команд, которой удалось получить нужные логи:
`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
```

Задание 2

Команды, которые создают директории bug1 и events:

```
$ cd
$ mkdir bug1
$ mkdir bug1/events
```

Команда, которой выбираешь запросы за указанный период. Это те запросы, которыми ты отбираешь логи в файл main.txt:

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

Команды, которыми ты кладешь логи в файлы 400.txt и 500.txt из main.txt:

```
grep ' 400 ' ~/bug1/main.txt > ~/bug1/events/400.txt
```

```
grep ' 500 ' ~/bug1/main.txt > ~/bug1/events/500.txt
```

400.txt

```
cat bug1/events/400.txt
```

```
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
```

```
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
```

```
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
```

```
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
```

```
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
```

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

cat bug1/events/500.txt

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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:

5529

Запрос, которым тебе удалось решить задачу.

```
chicago_taxi=# SELECT COUNT(*) AS cab_count FROM cabs;
```

```
cab_count
```

```
-----
```

```
5529
```

```
(1 row)
```

Задание 2

Список компаний с числом автомобилей меньше 100.

```
cnt |          company_name
```

```
-----+-----
```

```
97 | Nova Taxi Affiliation Llc
```

```
89 | Patriot Taxi Dbа Peace Taxi Associat
```

```
85 | Blue Diamond
```

```
81 | Checker Taxi Affiliation
```

```
80 | Chicago Medallion Management
```

```
69 | Chicago Independents
```

```
67 | 24 Seven Taxi
```

```
60 | Checker Taxi
```

```
55 | American United
```

```
53 | Chicago Medallion Leasing INC
```

```
49 | Top Cab Affiliation
```

48 | KOAM Taxi Association

38 | Chicago Taxicab

34 | Norshore Cab

20 | Gold Coast Taxi

20 | Metro Group

18 | Service Taxi Association

14 | 5 Star Taxi

8 | American United Taxi Affiliation

8 | Metro Jet Taxi A

7 | Setare Inc

5 | Leonard Cab Co

1 | 4615 - 83503 Tyrone Henderson

1 | 5062 - 34841 Sam Mestas

1 | 4623 - 27290 Jay Kim

1 | 5997 - 65283 AW Services Inc.

1 | 2092 - 61288 Sbeih company

1 | 1469 - 64126 Omar Jada

1 | 2733 - 74600 Benny Jona

1 | 2192 - 73487 Zeymane Corp

1 | 5006 - 39261 Salifu Bawa

1 | 3556 - 36214 RC Andrews Cab

1 | 3721 - Santamaria Express, Alvaro Santamaria

1 | 2809 - 95474 C & D Cab Co Inc.

1 | 2241 - 44667 - Felman Corp, Manuel Alonso

1 | 3620 - 52292 David K. Cab Corp.

1 | 2823 - 73307 Lee Express Inc

| | | |
|---|--|------------------------------------|
| 1 | | 6057 - 24657 Richard Addo |
| 1 | | 6742 - 83735 Tasha ride inc |
| 1 | | 1085 - 72312 N and W Cab Co |
| 1 | | 3591 - 63480 Chuks Cab |
| 1 | | 0118 - 42111 Godfrey S.Awir |
| 1 | | 6574 - Babylon Express Inc. |
| 1 | | 3094 - 24059 G.L.B. Cab Co |
| 1 | | 5874 - 73628 Sergey Cab Corp. |
| 1 | | 6743 - 78771 Luhak Corp |
| 1 | | 5074 - 54002 Ahzmi Inc |
| 1 | | 3623 - 72222 Arrington Enterprises |
| 1 | | 4053 - 40193 Adwar H. Nikola |
| 1 | | Chicago Star Taxicab |
| 1 | | 3011 - 66308 JBL Cab Inc. |

(51 rows)

Запрос, которым тебе удалось решить задачу.

```
SELECT
COUNT(cab_id) AS cnt,
company_name AS company_name
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 BETWEEN '2017-11-05 00:00' AND '2017-11-06 00:00';
```

Задание 4

Таблица с данными за указанный период.

| 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)

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.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;
```