Counts the number of rides for the dates of November 15-16, 2017 (sorted in descending order) of every taxi company.

```sql
select
c.company_name AS company_name,
COUNT(t.trip_id) AS trips_amount
from
cabs c
INNER JOIN
trips t ON c.cab_id=t.cab_id
where
t.start_ts::date
BETWEEN'2017-11-15'
AND '2017-11-16'
GROUP by
    company_name
ORDER BY
trips_amount DESC;
```

Counts the number of rides for company that contain the words “yellow” or “blue” in their name, for the dates of Nov 1-7, 2017.

```sql
select
COUNT(t.trip_id) AS trips_amount,
    c.company_name
from
trips t
INNER JOIN
cabs c ON t.cab_id=c.cab_id
where
(t.start_ts::date
BETWEEN'2017-11-01'
AND '2017-11-07')
and
(c.company_name LIKE '%Yellow%'
OR c.company_name LIKE '%Blue%')
GROUP BY
c.company_name;
```

Finds the number of trips made by the top two companies and add all else together for the dates of Nov 1-7, 2017, sorted in descending order.

```sql
SELECT
    CASE
        WHEN c.company_name = 'Flash Cab' THEN 'Flash Cab'
        WHEN c.company_name = 'Taxi Affiliation Services' THEN 'Taxi Affiliation Services'
        ELSE 'Other'
    END AS company,
    COUNT(t.trip_id) AS trips_amount
FROM
    trips t
INNER JOIN
    cabs c ON t.cab_id = c.cab_id
WHERE
    t.start_ts::date BETWEEN '2017-11-01' AND '2017-11-07'
GROUP BY
    company
ORDER BY
    trips_amount DESC;
```

Finds the neighborhood ids for O'Hare and Loop.

```sql
select
    name,
    neighborhood_id
from
    neighborhoods
where
name LIKE '%O''Hare%'
    OR name='Loop';
```

When the weather is “rain” or “storm” the result comes back as “Bad” and “Good” for all other conditions.

```sql
SELECT
    CASE
        WHEN description LIKE '%rain%' THEN 'Bad'
        WHEN description LIKE '%storm%' THEN 'Bad'
        ELSE 'Good'
    END AS weather_conditions,
    ts
from
weather_records;
```

Counts the seconds a trip took from Loop to O’Hare on Saturdays and shows if the weather was “rain” or “storm” as “Bad” and all else as “Good”

```sql
select
t.start_ts,
t.duration_seconds,
   CASE
        WHEN description LIKE '%rain%' THEN 'Bad'
        WHEN description LIKE '%storm%' THEN 'Bad'
        ELSE 'Good'
    END AS weather_conditions
from
  trips t
    INNER join
    weather_records wr ON t.start_ts=wr.ts
WHERE
t.pickup_location_id=50
    AND t.dropoff_location_id= 63
    AND wr.description IS NOT NULL
    AND EXTRACT(DOW from t.start_ts) = 6
```

```sql
        WHEN description LIKE '%rain%' THEN 'Bad'
        WHEN description LIKE '%storm%' THEN 'Bad'
        ELSE 'Good'
    END AS weather_conditions
from
  trips t
    INNER join
    weather_records wr ON t.start_ts=wr.ts
WHERE
t.pickup_location_id=50
    AND t.dropoff_location_id= 63
    AND wr.description IS NOT NULL
    AND EXTRACT(DOW from t.start_ts) = 6
GROUP BY
trip_id,
wr.description,
t.start_ts
```