1. Print the <i>company_name</i> field. Find the number of taxi rides for ecompany for November 15-16, 2017, name the resulting field <i>trips</i> and print it, too. Sort the results by the <i>trips_amount</i> field in descorder.	s_amount
SELECT cabs.company_name, COUNT(trip_id) AS trips_amount FROM	company_name Flash Cab
<pre>cabs Inner JOIN trips ON trips.cab_id = cabs.cab_id WHERE CAST(start_ts AS DATE) BETWEEN '11-15-2017' AND '11-16-2017' GROUP BY cabs.company_name ORDER BY trips_amount DESC</pre>	Taxi Affiliation Services Medallion Leasin
	Yellow Cab Taxi Affiliation Service Yellow
	Chicago Carriage Cab Corp City Service
	Sun Taxi
	Star North Management LLC Blue Ribbon Taxi Association Inc.
	Choice Taxi Association

Globe Taxi

Dispatch Taxi Affiliation

 trips_amount

2. Find the number of rides for every taxi companies whose name contains the words "Yellow" or "Blue" for November 1-7, 2017. Name the resulting variable *trips_amount*. Group the results by the *company_name* field.

1	SELECT		
2	COUNT(trip_id) AS trips_amount,		
3	company_name		
4	FROM		
5	cabs		
6	<pre>INNER JOIN trips ON cabs.cab_id = trips.cab_id</pre>		
7	WHERE		
8	(company_name LIKE '%Yellow%'		
9	OR		
10	<pre>company_name LIKE '%Blue%')</pre>	Result	
11	AND		
12	CAST(start_ts AS date) BETWEEN '11-1-2017' AND '11-7-2017'	trips_amount	company_name
13	GROUP BY		
14	cabs.company_name	6764	Blue Diamond
4 5			
		17675	Blue Ribbon Taxi Association Inc.
		29213	Taxi Affiliation Service Yellow
		33668	Yellow Cab

>	3. For November 1-7, 2017, the most popular taxi companies were Flash Cab			
		and Taxi Affiliation Services. Find the number of rides for these two		
		companies and name the resulting variable trips_amount. Join the rides for		
		all other companies in the group "Other." Group the data by taxi company		
		names. Name the field with taxi company names company. Sort the result in		
		descending order by trips_amount.		
	1	SELECT		
		0.4.05		
	2	CASE		
	2	WHEN c.company_name = 'Flash Cab' THEN 'Flash Cab'		
			Result	

INNER JOIN trips t ON c.cab_id = t.cab_id

CAST(t.start_ts AS date) BETWEEN '2017-11-01' AND '2017-11-07'

5

8

9

10

11

12

13

14

15

16

FROM

WHERE

GROUP BY

ORDER BY

company

trips_amount DESC;

Affiliation Services ELSE 'Other' END AS company, COUNT(t.trip_id) AS trips_amount Other cabs c

company Flash Cab

Taxi Affiliation Services

trips_amount

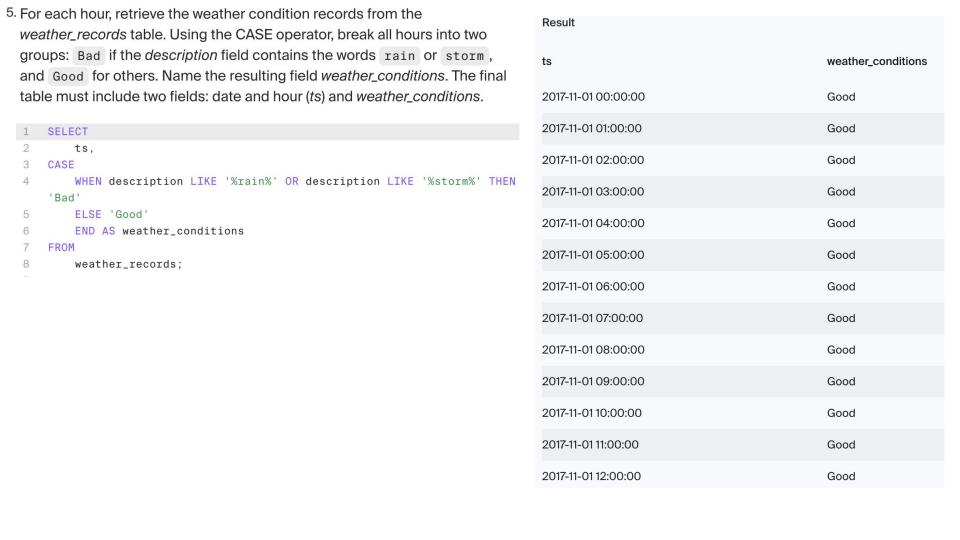
335771

64084

37583

4. Retrieve the identifiers of the O'Hare and Loop neighborhoods from the *neighborhoods* table.

1	SELECT	Result	
2	<pre>neighborhood_id,</pre>		
3	name		
4	FROM	neighborhood_id	name
5	neighborhoods		
6	WHERE		•
7	name LIKE '%Hare'	50	Loop
8	OR name LIKE 'Loop'		
		63	O'Hare
			011410



(pickup_location_id: 50) on a Saturday and ended at O'Hare (dropoff_location_id: 63). Get the weather conditions for each ride. Use the method you applied in the previous task. Also, retrieve the duration of each ride. Ignore rides for which data on weather conditions is not available. The table columns should be in the following order: • start_ts • weather_conditions • duration_seconds		Result		
		start_ts	weather_conditions	duration_seconds
		2017-11-25 12:00:00	Good	1380
		2017-11-25 16:00:00	Good	2410
		2017-11-25 14:00:00	Good	1920
		2017-11-25 12:00:00	Good	1543
		2017-11-04 10:00:00	Good	2512
1	Sort by trip_id. SELECT	2017-11-11 07:00:00	Good	1440
2	start_ts, CASE	2017-11-11 04:00:00	Good	1320
4	WHEN description LIKE '%rain%' OR description LIKE '%storm%' THEN	2017-11-04 16:00:00	Bad	2969
5	'Bad' ELSE 'Good'	2017-11-18 11:00:00	Good	2280
6 7	<pre>END AS weather_conditions, trips.duration_seconds</pre>	2017-11-04 16:00:00	Bad	3120
8	FROM trips	2017-11-11 15:00:00	Good	4800
10	INNER JOIN	2017-11-04 05:00:00	Good	1260
11 12	<pre>weather_records ON trips.start_ts = weather_records.ts WHERE</pre>	2017-11-11 06:00:00	Good	1346
13 14	<pre>trips.pickup_location_id = 50 AND trips.dropoff_location_id = 63 AND TYPEACT (DOW trips start to)</pre>			
15 16 17	AND EXTRACT (DOW FROM trips.start_ts) = 6 ORDER BY trips.trip_id			

"Preliminary evidence suggests that taxi rides from the Loop to O'Hare on rainy Saturdays take more time on average than on days with good weather. This supports the hypothesis that weather impacts ride duration, likely due to traffic slowdowns and cautious driving."

