

SQL LEETCODE PROBLEMS

QUESTION 12

Walmart Labs Question

-- Mayuri D.

Data--

```
11      -- find out callers whose first and last call was to sameperson on given date
```

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12
```

```
13 •  SELECT * FROM phonelog;
```

```
14
```

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

	Callerid	Recipientid	Datecalled
▶	1	2	2019-01-01 09:00:00
	1	3	2019-01-01 17:00:00
	1	4	2019-01-01 23:00:00
	2	5	2019-07-05 09:00:00
	2	3	2019-07-05 17:00:00
	2	3	2019-07-05 17:20:00
	2	5	2019-07-05 23:00:00
	2	3	2019-08-01 09:00:00
	2	3	2019-08-01 17:00:00
	2	5	2019-08-01 19:30:00
	2	4	2019-08-02 09:00:00
	2	5	2019-08-02 10:00:00
	2	5	2019-08-02 10:45:00
	2	4	2019-08-02 11:00:00

```

14
15 • WITH calls AS
16 (
17     SELECT callerid, CAST(datecalled AS DATE) AS called_date,
18     MIN(datecalled) AS first_call, MAX(datecalled) AS last_call
19     FROM phonelog
20     GROUP BY callerid, CAST(datecalled AS DATE)
21 )
22 SELECT c.*, p1.recipientid -- AS first_rec, p2.recipientid AS last_rec
23 FROM calls c
24 INNER JOIN phonelog p1 ON c.Callerid = p1.Callerid AND c.first_call = p1.datecalled
25 INNER JOIN phonelog p2 ON c.Callerid = p2.Callerid AND c.last_call = p2.datecalled
26 WHERE p1.Recipientid = p2.Recipientid;
27

```

Result Grid					
		Filter Rows:			
		Export:			
		Wrap Cell Content:			
	callerid	called_date	first_call	last_call	recipientid
▶	2	2019-07-05	2019-07-05 09:00:00	2019-07-05 23:00:00	5
	2	2019-08-02	2019-08-02 09:00:00	2019-08-02 11:00:00	4

THANK YOU

-- Mayuri D.