

## MySQL Self-Join

To write a query which gets the latest time for a entry in the database table you can write the following query. This query uses a self join to retrieve the last-updated time for a User.

```
1 /* LEFT JOIN ON TRIP AND VEHICLE SIMPLE JOIN ON USER*/
2 SELECT
3   t1.SourceCreateDatetimeUTC
4 FROM
5   track_log t1
6 WHERE
7   t1.SourceCreateDatetimeUTC = ( SELECT MAX(SourceCreateDatetimeUTC) FROM track_log t2 WHERE t1.UserId = t2.UserId )
8
```

track\_log (1x2)

SourceCreateDatetimeUTC
2017-06-19 12:14:32
2017-06-19 12:14:32

Max gets the most recent time. Because we also put a WHERE clause it means that we don't get the result back from all of the users. This query is useful for returning the recent time for one user