# SOL

# Part A

select rider\_id, trip\_id from uber\_trip u where (select count(trip\_id) from uber\_trip where rider\_id=u.rider\_id and trip\_status='completed' and begintrip\_timestamp\_utc<u.begintrip\_timestamp\_utc)=4

#### Part B

Select a.trip\_id as trip.id, a.rider\_id as rider\_id, a.driver\_id as driver\_id,a.timestamp as initiated\_ts, b.timestamp as cancel\_ts, d.timestamp as complete\_ts
Insert into dispatch\_events
from (trip\_initiated a left join trip\_cancel b
on a.trip\_id = b.trip\_id )c
left join trip\_completed d
on c.trip\_id=d.trip\_id

#### Part C

## Test query 1:

Select count(\*)
From dispatch\_events
Where cancel\_ts is NULL
and complete\_ts is NULL

For this query, I expect it returns 0 since all the trips should either result in cancel or complete status so no rips should miss both cancel\_ts and complete\_ts.

## Test query 2:

Select count(\*)
From dispatch\_events
Where cancel\_ts is NULL
And trip\_id not in (select trip\_id from trip\_complete)

For this query, I expect it returns 0 since every trip that has NULL values in cancel\_ts column should be completed trips so they should all be in the trip\_complete table it the dispatch\_events table are created correctly.

### Test query 3:

Select count(\*)
From dispatch\_events
Where complete\_ts is NULL
And trip\_id not in (select trip\_id from trip\_cancel)

For this query, I expect it returns 0 since every trip that has NULL values in complete\_ts column should be canceled trips so they should all be in the trip\_cancel table it the dispatch\_events table are created correctly.