What are the three longest trips on rainy days?

WITH

rainy

AS (

SELECT

DATE(date)rain\_date

FROM

weather

WHERE

events = 'Rain'

GROUP BY 1

)

SELECT

t.trip\_id,

t.duration,

t.start\_date

FROM

trips t

JOIN

rainy r

ON

DATE(t.start\_date) = r.rain\_date

ORDER BY duration DESC

LIMIT 3;

2. Which station is full most often?

SELECT

status.station\_id,

stations.name,

COUNT

(CASE WHEN docks\_available=0 then 1 END)empty\_count

FROM

status

JOIN

stations

ON

stations.station\_id = status.station\_id

GROUP BY 1,2

ORDER BY empty\_count DESC;

3. Return a list of stations with a count of number of trips starting at that station but ordered by dock count

SELECT

start\_station,

dockcount,

COUNT(\*)

FROM

trips

JOIN

stations

ON stations.name = trips.start\_station

GROUP BY

1,2

ORDER BY 2 DESC;