1. SELECT DISTINCT trip\_id, CAST(Duration as INT) Duration\_Int, Events

FROM weather a

INNER JOIN trips b ON a.zip = b.zip\_code

WHERE Events = 'Rain'

ORDER BY 2 DESC

LIMIT 3

1. SELECT station\_id, avg(docks\_daily\_avg) as avg\_docks\_dur\_rain

FROM

(

SELECT DISTINCT start\_terminal, date

FROM weather a

INNER JOIN trips b ON a.zip = b.zip\_code

WHERE Events = 'Rain'

) a

INNER JOIN

(

SELECT station\_id, strftime('%Y-%m-%d', timestamp) as condensed\_dt, AVG(docks\_available) as docks\_daily\_avg

FROM status GROUP BY station\_id, strftime('%Y-%m-%d', timestamp)

) b

ON a.start\_terminal = b.station\_id AND a.date = b.condensed\_dt

GROUP BY station\_id

1. SELECT station\_id, COUNT(CASE WHEN bikes\_available = 0 THEN 1 ELSE 0 END) as times\_empty

FROM status

GROUP BY station\_id

ORDER BY 2 DESC

LIMIT 1