**The IDs and durations for all trips greater than 500 ordered by duration**

SELECT trip\_id,

duration

FROM trips

WHERE duration > 500

ORDER BY duration DESC;

**Every column of the stations table for station id 84**

SELECT \*

FROM stations

WHERE station\_id = 84;

**The min temperatures of all the occurrences of rain in zip 94301**

SELECT precipitationin

FROM weather

WHERE zip = 94301

ORDER BY mintemperaturef DESC;

***Aggregating and grouping***

What was the hottest day in our data set? **134**

SELECT

maxtemperaturef

FROM

Weather

ORDER BY

maxtemperaturef DESC;

Where was that? **94107**

SELECT

zip

maxtemperaturef

FROM

weather

GROUP BY

zip;

**How many trips started at each station?**

SELECT

start\_station,

COUNT (\*) as station\_count

FROM

trips

GROUP BY 1;

**What’s the shortest trip that happened? 60**

SELECT

duration

FROM

trips

ORDER BY duration ASC;

**What is the average trip duration, by end station?**

SELECT

end\_station,

AVG(duration)

FROM

trips

GROUP BY 1;