Quiz 2 Solutions

1.

Consider the data set `bigquery-public-data.new_york.citibike_trips`, and the column tripduration which gives the length of the trip in seconds. Use distinct tripduration and ORDER BY to find how long the longest ride was in seconds.

```
SELECT   distinct tripduration
FROM   `bigquery-public-data.new_york.citibike_trips`
ORDER BY   tripduration desc
LIMIT   10
```

2.

How many distinct birth_year values are there in the `bigquery-public-data.new_york.citibike_trips` data set?

```
SELECT   count(distinct birth_year)
FROM   `bigquery-public-data.new_york.citibike_trips`
```

3.

Use the DISTINCT and ORDER BY on the table `bigquery-public-data.new_york.citibike_trips`, to find the smallest (oldest) birth_year.

```
SELECT   DISTINCT birth_year
FROM   `bigquery-public-data.new_york.citibike_trips`
ORDER BY   birth_year ASC
```

4.

Use DISTINCT and ORDERBY to find the largest (most recent) birth_year from the data set `bigquery-public-data.new_york.citibike_trips`.

```
SELECT   DISTINCT birth_year
FROM   `bigquery-public-data.new_york.citibike_trips`
ORDER BY   birth_year DESC
```

5.

What are all the possible values from the column usertype in the dataset bigquery-public-data.new_york.citibike_trips?

```
SELECT   DISTINCT usertype FROM
`bigquery-public-data.new_york.citibike_trips`
```

6.

What were the two dates of the most recent and oldest stoptimes in the dataset `bigquery-public-data.new_york.citibike_trips`?

```
SELECT   stoptime
FROM   `bigquery-public-data.new_york.citibike_trips`
ORDER BY   stoptime desc LIMIT   1
```

7.

What are the distinct values from the column gender in the table bigquery-public-data.new_york.citibike_trips?

```
SELECT   DISTINCT gender
FROM   `bigquery-public-data.new_york.citibike_trips`
ORDER BY   gender ASC
```

8.

How many records would this query return?

```
SELECT

  state

FROM

  `bigquery-public-data.usa_names.usa_1910_current`

ORDER BY

  state ASC
```

Probably a lot! It will return the same as using `count(*)` because there is no limit on the query.

```
SELECT

  state

FROM

  `bigquery-public-data.usa_names.usa_1910_current`

ORDER BY

  state ASC
```