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Big Query Solutions

London Bicycle Hires (DataSets)

https://bit.ly/londonbicycle_dataset

"Number of hires of the Santander Cycle Hire Scheme"

Meta Data:

london_bicycles

Dataset info

Dataset ID	bigquery-public-data.london_bicycles
Created	May 25, 2017, 6:26:18 PM UTC+5
Default table expiration	Never
Last modified	Sep 20, 2022, 12:44:06 PM UTC+5
Data location	EU
Description	
Default collation	
Default rounding mode	ROUNDING_MODE_UNSPECIFIED
Case insensitive	false
Labels	
Tags	

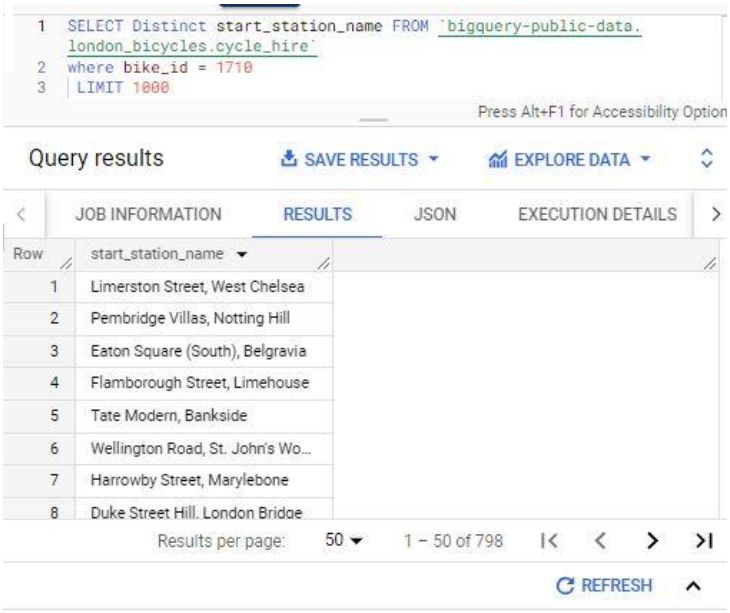
Running Queries in this project for the questions below:

- What are the names of the station that bike_id 1710 started from ?
- How many bike_ids have ended at "Moor Street, Soho" ?
- What is the station_id for "Canton Street, Poplar"?
- What is the name of the station whose ID is 111?
- How many distinct bike_ids had trip durations greater than 2400 seconds (40 minutes)?

Note: All the queries were run in ***SandBox*** *(BigQuery Google Console)*

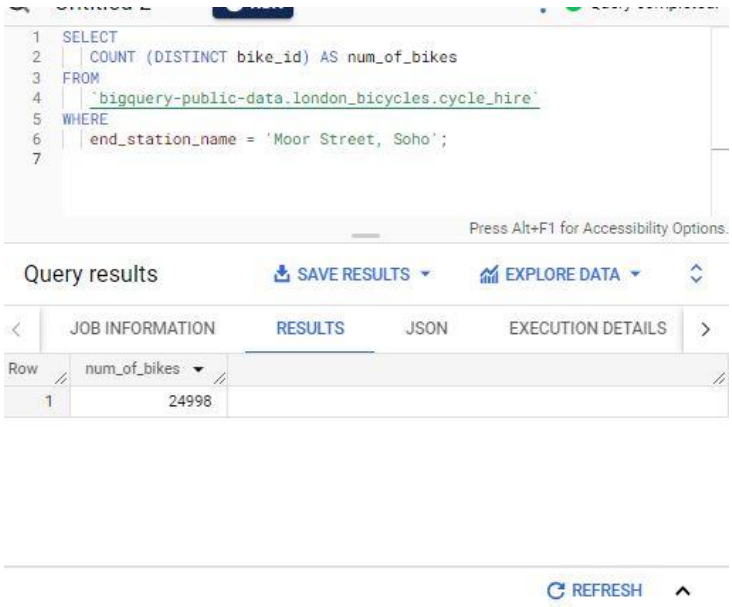
1. The names of the station that bike_id 1710 started from :

```
SELECT
  DISTINCT start_station_name
FROM
  `bigquery-public-data.london_bicycles.cycle_hire`
WHERE
  bike_id = 1710;
```



2. How many bike_ids have ended at "Moor Street, Soho"?

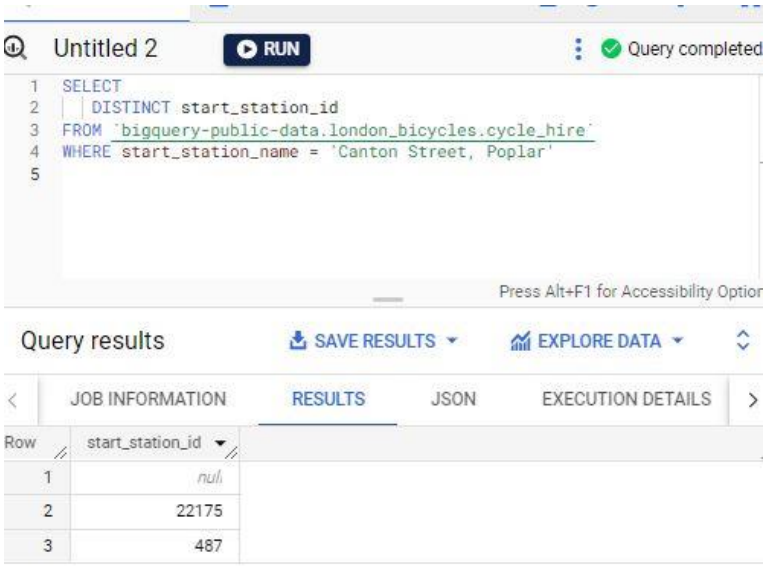
```
SELECT
  COUNT (DISTINCT bike_id) AS num_of_bikes
FROM `bigquery-public-data.london_bicycles.cycle_hire`
WHERE end_station_name = 'Moor Street, Soho';
```



3. What is the station_id for "Canton Street, Poplar"?

```
SELECT
  DISTINCT start_station_id
FROM `bigquery-public-data.london_bicycles.cycle_hire`
WHERE start_station_name = 'Canton Street, Poplar'
```

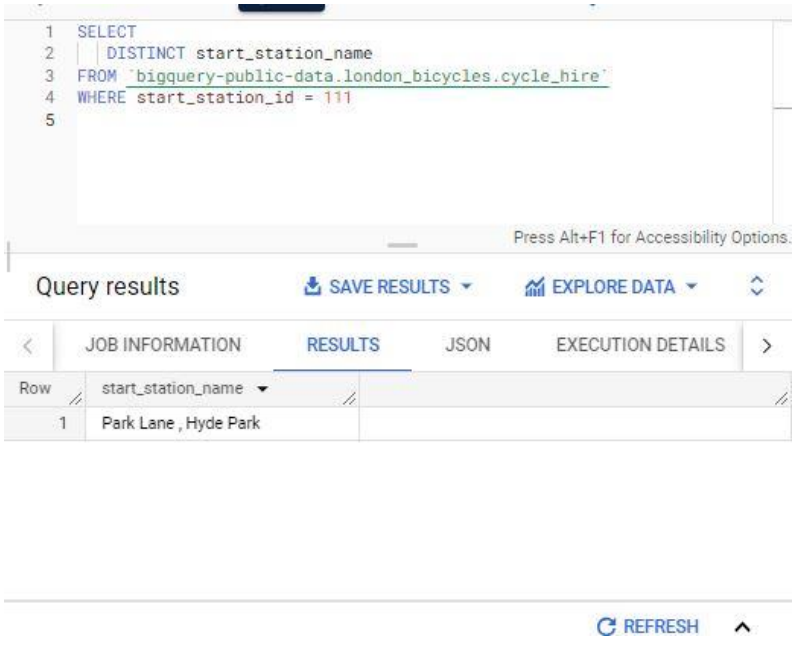
Note: end_station can also use



4. What is the name of the station whose ID is 111?

```
SELECT
  DISTINCT start_station_name
FROM `bigquery-public-data.london_bicycles.cycle_hire`
WHERE start_station_id = 111
```

Note: end_station can also use



5. How many distinct bike_ids had trip durations greater than 2400 seconds (or 40 minutes)?

```
SELECT
  COUNT(DISTINCT bike_id) AS num_of_bike_trips
FROM `bigquery-public-data.london_bicycles.cycle_hire`
WHERE duration > 2400
```