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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	

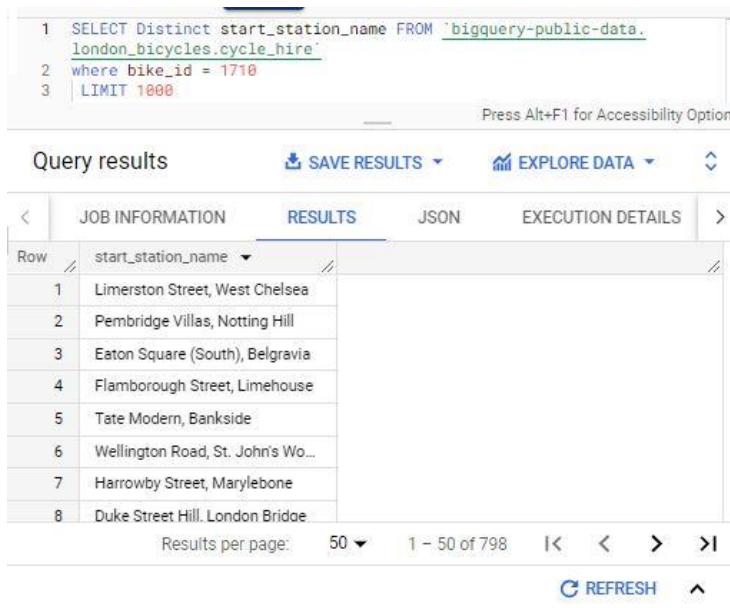
Running Queries in this project for the questions below:

- 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;
```

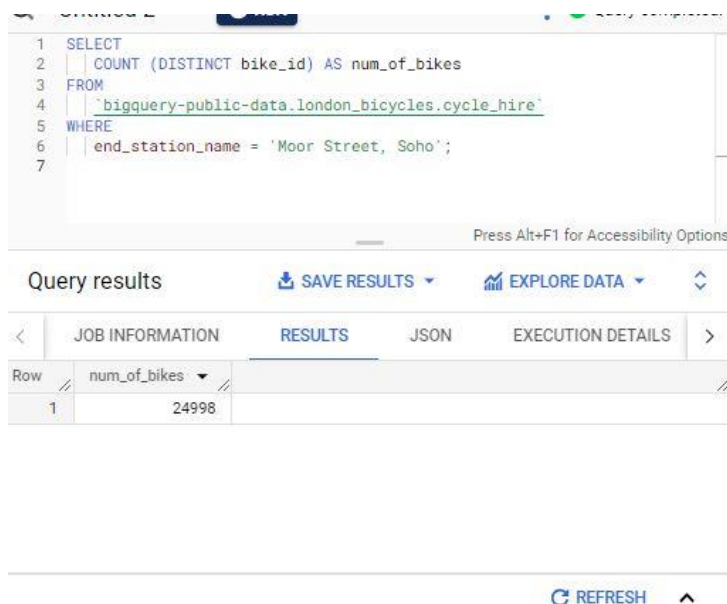


The screenshot shows a BigQuery interface with a SQL query editor at the top and a results table below. The query is: `SELECT Distinct start_station_name FROM `bigquery-public-data.london_bicycles.cycle_hire` where bike_id = 1710 LIMIT 1000;`. The results table has a single column `start_station_name` and lists 8 distinct station names.

Row	start_station_name
1	Limerston Street, West Chelsea
2	Pembridge Villas, Notting Hill
3	Eaton Square (South), Belgravia
4	Flamborough Street, Limehouse
5	Tate Modern, Bankside
6	Wellington Road, St. John's Wo...
7	Harrowby Street, Marylebone
8	Duke Street Hill, London Bridge

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';
```



The screenshot shows a BigQuery interface with a SQL query editor at the top and a results table below. The query is: `SELECT COUNT (DISTINCT bike_id) AS num_of_bikes FROM `bigquery-public-data.london_bicycles.cycle_hire` WHERE end_station_name = 'Moor Street, Soho';`. The results table has a single column `num_of_bikes` and shows a single row with the value 24998.

Row	num_of_bikes
1	24998

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

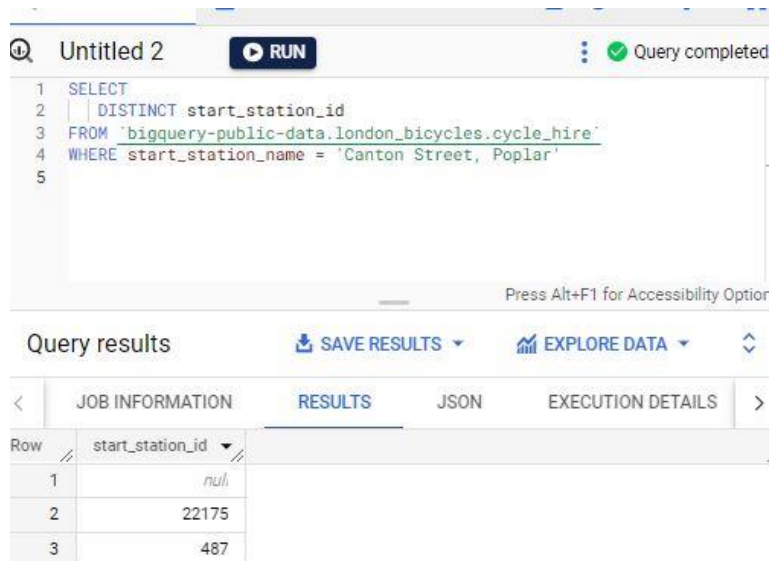
SELECT

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



The screenshot shows a BigQuery query editor with the following SQL code:

```
1 SELECT
2   DISTINCT start_station_id
3 FROM `bigquery-public-data.london_bicycles.cycle_hire`
4 WHERE start_station_name = 'Canton Street, Poplar'
5
```

Below the query editor, the 'Query results' section is displayed. It includes tabs for 'JOB INFORMATION', 'RESULTS', 'JSON', and 'EXECUTION DETAILS'. The 'RESULTS' tab is active, showing a table with the following data:

Row	start_station_id
1	null
2	22175
3	487

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

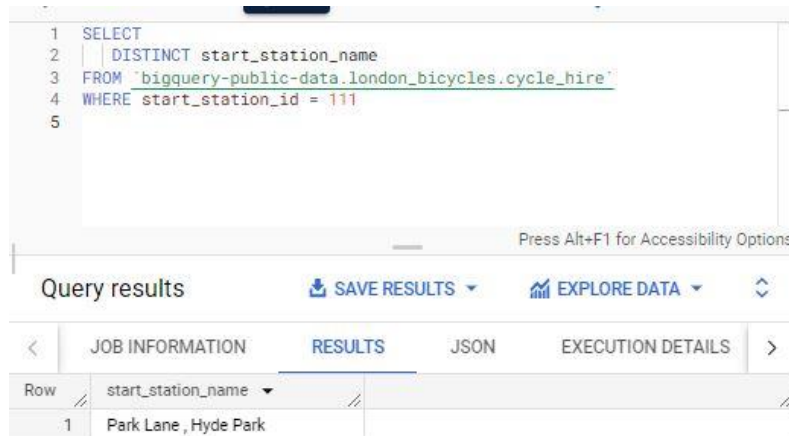
SELECT

DISTINCT start_station_name

FROM `bigquery-public-data.london_bicycles.cycle_hire`

WHERE start_station_id = 111

Note: end_station can also use



The screenshot shows a BigQuery query editor with the following SQL code:

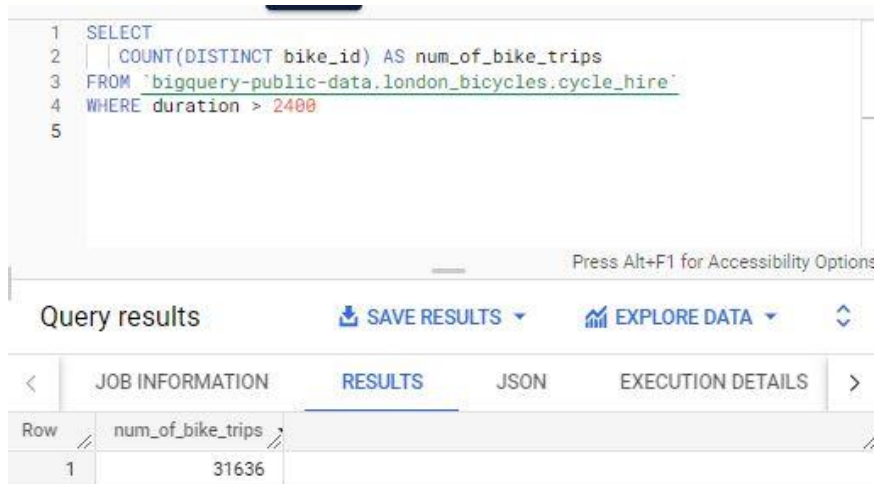
```
1 SELECT
2   DISTINCT start_station_name
3 FROM `bigquery-public-data.london_bicycles.cycle_hire`
4 WHERE start_station_id = 111
5
```

Below the query editor, the 'Query results' section is displayed. It includes tabs for 'JOB INFORMATION', 'RESULTS', 'JSON', and 'EXECUTION DETAILS'. The 'RESULTS' tab is active, showing a table with the following data:

Row	start_station_name
1	Park Lane , Hyde Park

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
```



The screenshot shows the Google BigQuery interface. At the top, a SQL query is entered in the editor: `SELECT COUNT(DISTINCT bike_id) AS num_of_bike_trips FROM `bigquery-public-data.london_bicycles.cycle_hire` WHERE duration > 2400`. Below the editor, the 'Query results' section is active, displaying a table with one row. The table has a column named 'num_of_bike_trips' and a single value '31636'. The interface also includes tabs for 'JOB INFORMATION', 'RESULTS', 'JSON', and 'EXECUTION DETAILS', with 'RESULTS' currently selected. A horizontal orange line is visible at the bottom of the image.

Row	num_of_bike_trips
1	31636