

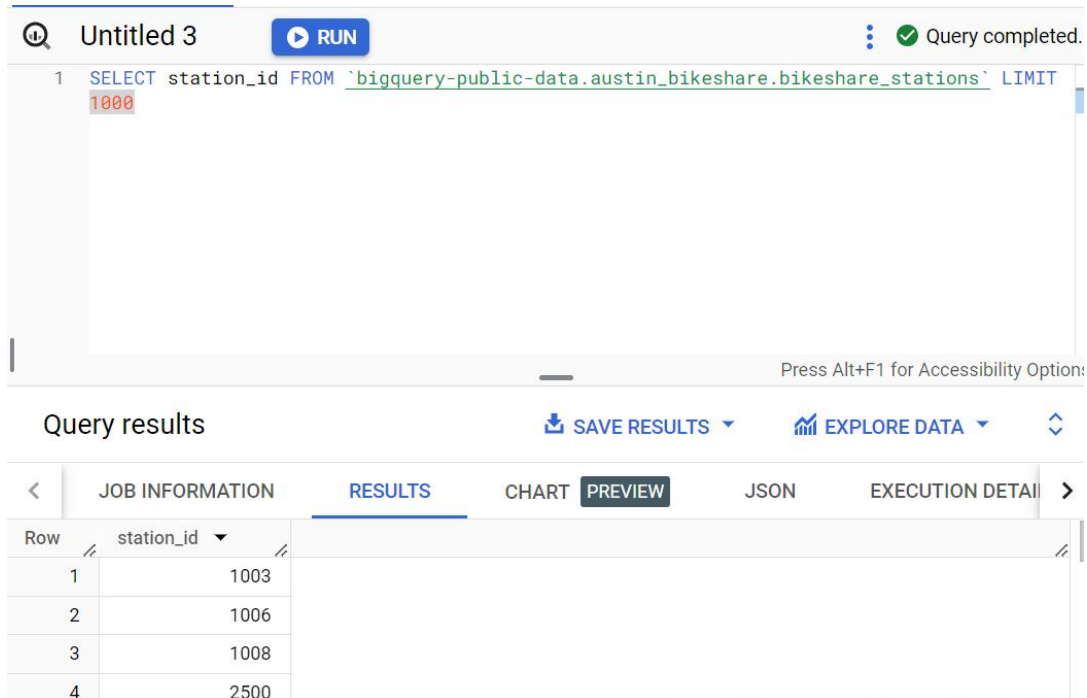
SQL QUESTIONS:

Prepare 10 SQL Sequence and Obtain a Database.

This Information consists of 2 sets of Database, Taken from big Query.

SET 1 AUSTIN BIKESHARE STATION

Q.1 THE LIST OF BIKESHARE STATION



The screenshot shows a BigQuery interface with a query editor and a results table. The query editor at the top displays the following SQL query:

```
1 SELECT station_id FROM `bigquery-public-data.austin_bikeshare.bikeshare_stations` LIMIT 1000
```

The query has been executed successfully, as indicated by the "Query completed." status. Below the query editor, the "Query results" section is visible, showing a table with the following data:

Row	station_id
1	1003
2	1006
3	1008
4	2500

Q.2 NUMBER OF ACTIVE STATION UNDER EACH POWER STATION

Untitled 3 ▶ RUN Query completed.

```

1 SELECT power_type, COUNT(power_type) as Number_Stations
2 FROM `bigquery-public-data.austin_bikeshare.bikeshare_stations`
3 WHERE status = 'active'
4 GROUP BY power_type;
5

```

Query results SAVE RESULTS EXPLORE DATA

Job Information RESULTS CHART PREVIEW JSON EXECUTION DETAILS

Row	power_type	Number_Stations
1	solar	76
2	non-metered	2

Q.3 number of station and the average number of docks under each stations

Untitled 3 ▶ RUN Query completed.

```

1 SELECT
2   COUNT(*) as number_stations,
3   AVG(number_of_docks) as average_no_docks
4 FROM
5   `bigquery-public-data.austin_bikeshare.bikeshare_stations`
6 WHERE
7   status = 'active'
8 GROUP BY
9   property_type;
10

```

Query results SAVE RESULTS EXPLORE DATA

Job Information RESULTS CHART PREVIEW JSON EXECUTION DETAILS

Row	number_stations	average_no_docks
1	8	13.5
2	17	13.23529411764...
3	6	13.66666666666...
4	28	13.60714285714...
5	19	13.52631578947...

Q.4 number of active station under each power type

Untitled 3 ▶ RUN ✔ Query completed.

```
1 SELECT COUNT(Name) AS Number_ActiveStations
2 FROM `bigquery-public-data.austin_bikeshare.bikeshare_stations`
3 WHERE Status = 'ACTIVE';
4
```

Press Alt+F1 for Accessibility Options.

Query results 📄 SAVE RESULTS 📊 EXPLORE DATA

< JOB INFORMATION RESULTS CHART PREVIEW JSON EXECUTION DETAILS >

Row	Number_ActiveStatic
1	0

Q.5 number of active station that is equal to 15

Untitled 3 ▶ RUN ✔ Query completed.

```
1 SELECT COUNT(*) as Number_Stations
2 FROM `bigquery-public-data.austin_bikeshare.bikeshare_stations`
3 WHERE status = 'active' AND number_of_docks = 15;
4
5
```

Press Alt+F1 for Accessibility Options.

Query results 📄 SAVE RESULTS 📊 EXPLORE DATA

< JOB INFORMATION RESULTS CHART PREVIEW JSON EXECUTION DETAILS >

Row	Number_Stations
1	7

SET 2 CRYPTO CASH TRANSACTION:

Q.6 Total number of crypto cash transactions

Query editor interface showing a SQL query to count transactions.

```
1 SELECT COUNT(*) AS total_transactions
2 FROM `bigquery-public-data.crypto_bitcoin_cash.transactions`;
3
4
5
```

Query results table:

Row	total_transactions
1	383819236

Q.7 Total number crypto cash received per day

Query editor interface showing a SQL query to sum output values by date.

```
1 SELECT
2   DATE(block_timestamp) AS date,
3   SUM(output_value) AS bitcoin_received
4 FROM
5   `bigquery-public-data.crypto_bitcoin.transactions`
6 GROUP BY
7   date
8 ORDER BY
9   date;
10
```

Query results table:

Row	date	bitcoin_received
21	2009-01-28	560000000000
22	2009-01-29	665000000000
23	2009-01-30	585000000000
24	2009-01-31	790000000000

Q.8 Total number of crypto cash sent per day

```
1 SELECT
2   DATE(block_timestamp) AS date,
3   SUM(input_value) AS bitcoin_sent
4 FROM
5   `bigquery-public-data.crypto_bitcoin_cash.transactions`
6 GROUP BY
7   date
8 ORDER BY
9   date;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS

EXPLORE DATA

<

RESULTS

CHART

PREVIEW

JSON

EXECUTION DETAILS

EXECUTION

>

Row	date	bitcoin_sent
13	2009-01-20	40000000000
14	2009-01-21	10000000000
15	2009-01-22	50000000000
16	2009-01-23	45000000000

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Q.9 Top 45 highest transactions fee

```
1 SELECT
2   DATE(block_timestamp) AS date,
3   SUM(output_value) AS total_bitcoins_transferred
4 FROM
5   `bigquery-public-data.crypto_bitcoin.transactions`
6 GROUP BY
7   date
8 ORDER BY
9   total_bitcoins_transferred DESC
10 LIMIT 45;
11
```

Press Alt+F1 for Accessibility Options.

Query results

 SAVE RESULTS ▾

 EXPLORE DATA ▾



	RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION	>
37	2022-06-18	1056071710594...					
38	2022-06-18	1056071710594...					
39	2016-01-26	1039431461062...					
40	2016-01-17	1035818068754...					
41	2021-09-13	1003942629419...					

Results per page:

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