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Exam Professional Data Engineer All Questions

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📄 EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 56 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 56

Topic #: 1

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You have enabled the free integration between Firebase Analytics and Google BigQuery. Firebase now automatically creates a new table daily in BigQuery in the format `app_events_YYYYMMDD`. You want to query all of the tables for the past 30 days in legacy SQL. What should you do?

- A. Use the `TABLE_DATE_RANGE` function
- B. Use the `WHERE_PARTITIONTIME` pseudo column
- C. Use `WHERE date BETWEEN YYYY-MM-DD AND YYYY-MM-DD`
- D. Use `SELECT IF.(date >= YYYY-MM-DD AND date <= YYYY-MM-DD`

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by [damaldon](#) at *Sept. 19, 2022, 8:29 p.m.*

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🗨️ [damaldon](#) Highly Voted 2 years, 7 months ago

A. is correct according to this link:
<https://cloud.google.com/bigquery/docs/reference/legacy-sql>

<https://cloud.google.com/bigquery/docs/reference/legacy-sql>

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🗄 👤 **baimus** Most Recent 7 months, 2 weeks ago

Selected Answer: A

<https://cloud.google.com/bigquery/docs/reference/legacy-sql#table-date-range>

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🗄 👤 **Preetmehta1234** 1 year, 2 months ago

Selected Answer: B

We don't have TABLE DATE RANGE function in legacy SQL. Answer should be B

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🗄 👤 **mark1223jkh** 11 months, 3 weeks ago

We actually have, look at the documentation,

<https://cloud.google.com/bigquery/docs/reference/legacy-sql>

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🗄 👤 **Ajose0** 1 year, 6 months ago

Selected Answer: A

The recommended action is to use the TABLE_DATE_RANGE function (option A). This function allows you to specify a range of dates to query across multiple tables.

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🗄 👤 **Nirca** 1 year, 7 months ago

Selected Answer: A

The TABLE_DATE_RANGE function in BigQuery is a table wildcard function that can be used to query a range of daily tables. It takes two arguments: a table prefix and a date range. The table prefix is the beginning of the table names, and the date range is the start and end dates of the tables to be queried.

The TABLE_DATE_RANGE function will expand to cover all tables in the dataset that match the table prefix and are within the date range. For example, if you have a dataset that contains daily tables named my_table_20230804, my_table_20230805, and my_table_20230806, you could use the TABLE_DATE_RANGE function to query all of the tables in the dataset between August 4, 2023 and August 6, 2023 as follows:

```
SELECT *  
FROM TABLE_DATE_RANGE('my_table_', '2023-08-04', '2023-08-06');
```

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🗄 👤 **samdhimial** 2 years, 3 months ago

A is correct.

TABLE_DATE_RANGE() : Queries multiple daily tables that span a date range.

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🗄 👤 **samdhimial** 2 years, 3 months ago

Example:

```
SELECT *
```

```
FROM TABLE_DATE_RANGE(app_events_, TIMESTAMP_SUB(CURRENT_TIMESTAMP(), INTERVAL 30 DAY),  
CURRENT_TIMESTAMP())
```

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🗄 👤 **DipT** 2 years, 4 months ago

Selected Answer: A

<https://cloud.google.com/bigquery/docs/reference/legacy-sql>

TABLE_DATE_RANGE() Queries multiple daily tables that span a date range.

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🗄 👤 **skp57** 2 years, 5 months ago

A. is Correct...

from...<https://cloud.google.com/blog/products/management-tools/using-bigquery-and-firebase-analytics-to-understand-your-mobile-app>

```
SELECT  
user_dim.app_info.app_platform as appPlatform,  
user_dim.device_info.device_category as deviceType,  
COUNT(user_dim.device_info.device_category) AS device_type_count FROM  
TABLE_DATE_RANGE([firebase-analytics-sample-data:android_dataset.app_events_], DATE_ADD('2016-06-07', -7, 'DAY'),  
CURRENT_TIMESTAMP()),  
TABLE_DATE_RANGE([firebase-analytics-sample-data:ios_dataset.app_events_], DATE_ADD('2016-06-07', -7, 'DAY'),  
CURRENT_TIMESTAMP())  
-----
```

GROUP BY
1,2
ORDER BY
device_type_count DESC
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