Introduction to DB SQL Answer Guide

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DAWD 01-5 - Lab: Tables and Views on Databricks SQL

Question/Answer 1

USE replace_with_your_schema_name;
DROP TABLE IF EXISTS sales external;

CREATE EXTERNAL TABLE sales external USING DELTA

LOCATION 'wasbs://courseware@dbacademy.blob.core.windows.net/data-analysis-with-databricks/v01/sales/'; SELECT * FROM sales_external ORDER BY customer_id;

What is the value of customer_id in the first row? 12096776

Question/Answer 2 - REQUIRES RENAMING THE TABLE

USE replace_with_your_schema_name; CREATE TABLE sales_renamed USING DELTA AS SELECT * FROM sales_external; DESCRIBE EXTENDED sales renamed;

What is the value of Owner?

Question/Answer 3

Under History, what was the operation associated with Version 0 of the table? CREATE OR REPLACE TABLE AS SELECT is HTML right answer CREATE TABLE AS SELECT is incorrectly shown as the correct answer

Question/Answer 4

Did the 'DESCRIBE' command fail? (yes or no) YES

DAWD 02-3 - Lab: Ingesting Data

Question/Answer 1

How many rows are in the customers table? (type only numbers) 28813

Question/Answer 2

COPY INTO sales_stream

FROM

'wasb://courseware@dbacademy.blob.core.windows.net/data-analysis-with-databricks/v01/sales_stream.json' FILEFORMAT = JSON;

SELECT * FROM sales stream ORDER BY customer id;

What is the value of customer_id in the first row? 10060379

Question/Answer 3

How many privileges does the group "users" have on sales_stream?

Question/Answer 4

How many privileges have you been granted to you on your schema?

DAWD 02-6 - Lab: Basic SQL

Question/Answer 1

USE replace_with_your_schema_name;
SELECT loyalty_segment, count(loyalty_segment) AS Count
FROM customers
GROUP BY loyalty_segment
ORDER BY loyalty_segment;

How many customers are in loyalty_segment 0? 11097

Question/Answer 2

USE replace_with_your_schema_name; SELECT initcap(customer_name) AS Customer_Name FROM customers ORDER BY customer_name DESC;

What is the last name of the last customer (alphabetically) in the table? Ensure answer is in lower case zyskowski

Question/Answer 3

USE replace_with_your_schema_name; UPDATE customers SET customer_name = initcap(customer_name); SELECT * FROM customers;

In which city is Bittner Engineering, Inc. located? RANDOLPH

Question/Answer 4

USE replace_with_your_schema_name;

```
INSERT INTO loyalty_segments
  (loyalty segment id, loyalty segment description, unit threshold, valid from, valid to)
  VALUES
  (5, 'level 5', 130, current date(), Null);
SELECT * FROM loyalty_segments;
How many rows are in the table now?
If you did the optional lab on Basic SQL, the correct answer is 6
Question/Answer 5
USE replace with your schema name;
CREATE OR REPLACE TABLE high_value_CA_customers AS
  SELECT *
    FROM customers
    WHERE state = 'CA'
    AND loyalty_segment = 3;
SELECT * FROM high_value_CA_customers;
How many rows are in the view?
949
Question/Answer 6
USE replace with your schema name;
SELECT customers.state, sum(total_price) AS Total FROM customers
  ON customers.customer_id = sales.customer_id
  GROUP BY customers.state
  ORDER BY Total DESC:
Which state has the highest sales?
OR
Question/Answer 7
USE replace_with_your_schema_name;
SELECT min(total price)
  FROM sales;
What is the lowest price? (numbers only)
```

DAWD 03-3 - Lab: Data Visualizations and Dashboards

Question/Answer 1

18

Which product category has the highest upper fence? Opple

Question/Answer 2 !!!NEED TO INCLUDE THE % SIGN AS PART OF ANSWER!!!

What is the %Max for Orders? 6.77%

Question/Answer 3

Which product category has the lowest minimum price? Rony

DAWD 03-5 - Lab: Notifying Stakeholders

Question/Answer 1

What is the shortest amount of time we can configure for query refreshes? 1 minute

Question/Answer 2

What is the total amount of income (in whole dollars) currently in the sales_stream table? (type only numbers) 249003 or 265759

Question/Answer 3

After sharing the dashboard with the "All Users" group, how many rows of users and groups are in the "Manage permissions" dialog?

Question/Answer 4

When you click "Advanced" under the "Refresh" drop down, how many minutes are selected by default? (enter only numbers)

10

DAWD 03-6 - Lab: Final Lab Assignment

Question/Answer 1

```
USE replace_with_your_schema_name;
DROP TABLE IF EXISTS sales_orders_json;
CREATE TABLE sales_orders_json
USING JSON
OPTIONS (
    path 'wasb://courseware@dbacademy.blob.core.windows.net/data-analysis-with-databricks/v01/sales_orders',
    header "true",
    inferSchema "true"
);
DROP TABLE IF EXISTS sales_orders;
CREATE TABLE sales_orders AS
    SELECT * FROM sales_orders_json;
DROP TABLE IF EXISTS sales_orders_json;
SELECT * FROM sales_orders;
```

How many rows are in the sales_orders table? (type only numbers) 4074

Question/Answer 2

```
USE replace_with_your_schema_name;
WITH order_info AS
(SELECT customer_id, explode(ordered_products) AS product_info FROM sales_orders),
```

total_sales AS

(SELECT customer_id, sum(product_info["price"] * product_info["qty"]) AS total_spent FROM order_info GROUP
BY customer_id)
SELECT customer_name, total_spent FROM total_sales

JOIN customers

ON customers.customer_id = total_sales.customer_id

WHERE total_spent > 175000

ORDER BY total_spent DESC;

How much has Bradsworth Digital Solutions, Inc spent? 209533

Question/Answer 3

USE replace_with_your_schema_name;
WITH sold_products AS
(SELECT *, explode(ordered_products) as products FROM sales_orders
JOIN customers
ON customers.customer_id = sales_orders.customer_id
JOIN loyalty_segments
ON customers.loyalty_segment = loyalty_segments.loyalty_segment_id)
SELECT loyalty_segment_description, sum(products['price'] * products['qty']) AS sales FROM sold_products
GROUP BY loyalty_segment_description;

What is the sales amount for customers in loyalty segment 3? 9910450

Question/Answer 4

What is the name of the right-most tab in the Bar visualization editor? Data labels

Question/Answer 5

Will this Alert trigger even though there is no refresh schedule configured for the query itself? Yes

Question/Answer 6

If you wanted to configure a set interval to refresh this dashboard automatically, what button would you click? Schedule