grade 100%

Weekly challenge 3

LA	rest submission grade 00%	
1.	Fill in the blank: Data analysts usually use to deal with very large datasets. or spreadsheets or word processors or SQL or web browsers correct Data analysts usually use SQL to deal with very large datasets.	1/1 point
2.	What are some of the benefits of using SQL for analysis? Select all that apply. SQL interacts with database programs.	1/1 point
	Some benefits of SQL include tracking changes across a team, interacting with database programs, and pulling information from different database sources. SQL has built-in functionalities. SQL can pull information from different database sources.	
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3.	Information from different database sources. A data analyst creates many new tables in their company's database. When the project is complete, the analyst wants to remove the tables so they don't clutter the database. What SQL commands can they use to delete the tables? INSERT INTO	1/1 point
	 ○ UPDATE ○ CREATE TABLE IF NOT EXISTS ● DROP TABLE IF EXISTS ✓ Correct The analyst can use the DROP TABLE IF EXISTS query to delete the tables so they don't clutter the database. 	
4.	You are working with a database table that contains invoice data. The table includes columns for <i>invoice_id</i> and <i>billing_city</i> . You want to remove duplicate entries for <i>billing_city</i> and sort the results by invoice ID.	1/1 point

You write the SQL query below. Add a DISTINCT clause that will remove duplicate entries from the billing_city column.

NOTE: The three dots (...) indicate where to add the clause.



London Correct The clause pistinct billing_city will remove duplicate entries from the billing_city column. The complete query is select Distinct billing_city will remove duplicate entries from the billing_city column. The complete query is select Distinct billing_city Flook invoice GRBER BY invoice_id. The Distinct clause removes duplicate entries from your query result. The billing city Reno appears in row 15 of your query result. are working with a database table that contains customer data. The table includes columns about customer location as city, state, country, and postal_code. You want to check for postal codes that are greater than 7 characters long, write the SQL query below. Add a LENGTH function that will return any postal codes that are greater than 7 acters long. 1
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Boolean
Integer
String
Float
Correct In SQL databases, the float data type refers to a number that contains a decimal.
ta analyst is working with product sales data. They import new data into a database. The database recognizes the for product price as text strings. What SQL function can the analyst use to convert text strings to floats?
CAST
TRIM
LENGTH
SUBSTR
Correct The analyst can use the CAST function to convert text strings to floats.
The analyst can use the CAST function to convert text strings to floats. ta analyst is cleaning survey data. The results for an optional question contain many nulls. What function can the

CAST

Correct
The analyst can use the COALESCE function to eliminate the null values from the results.

9. You are working with a database table that contains invoice data. The table includes columns about billing location such as billing_city, billing_state, and billing_country. You want to retrieve the first 4 letters of each city name. You decide to use the SUBSTR function to retrieve the first 4 letters of each city name, and use the AS command to store the result in a new column called new_city.

1/1 point

You write the SQL query below. Add a statement to your SQL query that will retrieve the first 4 letters of each city name and store the result in a new column as new_city.

NOTE: The three dots (...) indicate where to add the statement.



What invoice ID number appears in row 7 of your query result?

O 97

390

O 23

O 206

✓ Correct

The statement SUBSTR(billing_city, 1, 4) AS new_city will retrieve the first 4 letters of each city name and store the result in a new column as new_city. The complete query is SELECT invoice_id, SUBSTR(billing_city, 1, 4) AS new_city FROM invoice ORDER BY billing_city. The SUBSTR function extracts a substring from a string. This function instructs the database to return 4 characters of each billing city, starting with the first character. The invoice ID number 390 appears in row 7 of your query result.