

Get started with data calculations

Pivot...pivot...pivot...

Learn more SQL calculations

The data-validation process

Using SQL with temporary tables

Weekly challenge 4

📖

Reading: Glossary: Terms and definitions

5 min

📖

Quiz: Weekly challenge 4

10 questions

Course challenge

🎉 Congratulations! You passed!

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Quiz • 50 min

To pass 80% or higher

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Review Learning Objectives

📌 Submit your assignment

🔄 Receive grade

👍 Correct

👎 Incorrect

Due Jul 9, 11:59 PM +08

Attempts 3 every 24 hours

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View the video on conditional functions

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1. A data analyst wants to calculate the number of rows that have a SKU value of "K102145". Which function could they use?

1 / 1 point

👍

=COUNTIF(G2:G30,"K102145")

👎

=COUNTIF(G2:G30,"=K102145")

👍

=COUNTIF(K102145=G2:G30)

👍

=COUNT(G2:G30,K102145)

👍 Correct

Review the video on conditional functions

2. You are working in a spreadsheet and use the SUMIF function in the following formula as part of your analysis.
=SUMIF(D2:D10,">=50",E2:E10)
Which part of this formula indicates the range of values to be added?

1 / 1 point

👍

E2:E10

👎

=SUMIF

👎

>=50

👎

D2:D10

👍 Correct

3. Which portion of a pivot table do you change if you want to use a different calculation to combine the results?

1 / 1 point

👎

Filter

👎

Rows

👍

Values

👎

Columns

👍 Correct

4. What column is set as a value in the following pivot table?

0 / 1 point

MAX of Duration	Direction	
Date	Down	Up
2/1		200
2/3	300	100
2/4	100	100
2/5	450	

👎

Duration

👍

Date

👎

MAX

👎

Direction

👎 Incorrect

Review the video on pivot tables

5. What SQL keyword is used to define a name for a calculated column?

1 / 1 point

👎

SELECT

👎

WITH

👎

FROM

👍

AS

👍 Correct

6. When writing custom calculations in SQL, what characters can be used to group calculations to change the order of calculation?

1 / 1 point

👎

Curly Braces - {}

👎

Square Brackets - []

👍

Parentheses - ()

👎

Quotation Marks - ""

👍 Correct

7. What is the process of checking and rechecking the quality of your data so that it is complete, accurate, secure, and consistent?

1 / 1 point

👍

Data validation

👎

Data visualization

👎

Data augmentation

👎

Data-driven development

👍 Correct

8. A data analyst finds some data that seems inconsistent. What is the first thing they should do?

1 / 1 point

👎

Convert the inconsistent values to JSON.

👎

Fill the odd values with filler values.

👍

Determine if the inconsistent values are valid.

👎

Remove the inconsistent values.

👍 Correct

9. Which of the following statements about temporary tables is correct?

1 / 1 point

👎

They are declared by enclosing a FROM statement between ##.

👎

They are a special feature of BigQuery unavailable in other RDBMS.

👍

They are automatically deleted when the SQL database session ends.

👎

They must be created using the WITH AS SQL clause.

👍 Correct

10. Which of the following SQL queries adds a table into the database? Select all that apply.

0 / 1 point

☒

CREATE TABLE my_table AS (SELECT * FROM other_table);

👍 Correct

☐

WITH my_table AS (SELECT * FROM other_table WHERE x = 0);

☐

SELECT * FROM table;

☐

SELECT * FROM table GROUP BY columnA ORDER BY columnB;

You didn't select all the correct answers

?