

VLOOKUP for data aggregation

Use JOINS to aggregate data in SQL

Work with subqueries

Weekly challenge 3

Reading: Glossary: Terms and definitions

5 min

Quiz: Weekly challenge 3

8 questions

🎉 Congratulations! You passed!

Grade received 100%

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Weekly challenge 3

Quiz • 40 min

To pass 80% or higher

Go to next item

Review Learning Objectives

1. In data analytics, what is data aggregation?

1 / 1 point

- ☒ The process of gathering data from multiple sources and combining it into a single, summarized collection.
- ☐ The process of moving data in from a less suitable table for analysis.
- ☐ The process of moving certain data points to a higher rank or position.
- ☐ The process of ensuring a company's data is properly stored, managed, and maintained.
- 👍 Correct To Pass 80% or higher

Try again

Your grade

100%

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2. A data analyst uses the SUM function to add together numbers from a spreadsheet. After getting a zero result, they realize the numbers are actually text. What function can they use to convert the text to a numeric value?

1 / 1 point

- ☐ DIGIT
- ☒ VALUE
- ☐ FIGURE
- ☐ CONVERT
- 👍 Correct

3. One of the limitations of the VLOOKUP function is that it can only search columns to the right of the column into which it is entered. What is another limitation of VLOOKUP?

1 / 1 point

- ☐ It will only return the last match it finds.
- ☐ It can only be used on numerical data.
- ☒ It will only return the first match it finds.
- ☐ It can only be used with text data.
- 👍 Correct

4. A data analyst creates an absolute reference around a function array. What is the purpose of the absolute reference?

1 / 1 point

- ☐ To copy a function and apply it to all rows and columns
- ☐ To automatically change numeric values to currency values
- ☐ To keep a function array consistent so rows and columns will automatically change if the function is copied
- ☒ To lock the function array so rows and columns don't change if the function is copied
- 👍 Correct

5. The following is a selection from a spreadsheet:

1 / 1 point

N/A	A	B	C
1	Country	Population in 2020	Growth in population 2000-2020
2	China	1,439,323,776	13.4 %
3	India	1,380,004,385	37.1 %
4	United States	331,002,651	17.3 %
5	Indonesia	273,523,615	27.7%
6	Pakistan	220,892,340	44.9%
7	Brazil	212,559,417	21.9%
8	Nigeria	206,139,589	66.3%
9	Bangladesh	164,689,383	27.9%
10	Russia	145,934,462	-0.8%

To search for the population of Brazil, what is the correct VLOOKUP syntax?

- ☒ =VLOOKUP("Brazil", A2:B10, 2, false)
- ☐ =VLOOKUP(Brazil, A2:B10, 3, false)
- ☐ =VLOOKUP(Brazil, A2:B10, 3, false)
- ☐ =VLOOKUP(Brazil, A2:B10, 2, false)
- 👍 Correct

6. A data analyst writes the following query in SQL with the LEFT JOIN function:

1 / 1 point

```
FROM music_table
LEFT JOIN
Entertainment_table
```

What does this function do?

- ☒ It returns all records in the music table and only the records from the entertainment table with matching values.
- ☐ It returns only the records with values that match from both tables.
- ☐ It returns all records in both the music table and the entertainment table.
- ☐ It returns all the records in the entertainment table and only the record from the music table with matching values.
- 👍 Correct

7. A data analyst writes a query that asks a database to return the number of rows in a specified range. Which function do they use?

1 / 1 point

- ☒ COUNT
- ☐ RANGE
- ☐ RETURN RANGE
- ☐ COUNT DISTINCT
- 👍 Correct

8. A data analyst writes a query in SQL. Inside this query, they have a second query. What is another name for the first query? Select all that apply.

1 / 1 point

- ☒ Outer select
- 👍 Correct
- ☐ Central select
- ☐ Subquery
- ☒ Outer query
- 👍 Correct