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1. Analyze Data to Answer Questions

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2. Module 3

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3. Weekly challenge 3

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VLOOKUP for data aggregation
Use JOINS to aggregate data in SQL
Work with subqueries
Weekly challenge 3

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Quiz: Weekly challenge 3

8 questions

Weekly challenge 3

Quiz40 minutes • 40 min

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1.

Question 1

In data analytics, what is the process of gathering data from multiple sources and combining it into a single, summarized collection?

1 / 1 point

○
○ Data grouping

○
○ Data mapping

◉
◉ Data aggregation

○
○ Data composition

⊘ **Correct**

2.

Question 2

The VALUE function converts a numeric value into a text string in a spreadsheet.

1 / 1 point

○

○

True

◉

◼

False

✓

Correct

3.

Question 3

When using VLOOKUP, there are some common limitations that data analysts should be aware of. One of these limitations is that VLOOKUP only returns the first match it finds, even if there are many possible matches within the column.

1 / 1 point

◉

◼

True

○

○

False

✓

Correct

4.

Question 4

A data analyst uses an absolute reference to lock a function array so rows and columns don't change if the function is copied. What symbol is used to create an absolute reference?

1 / 1 point

○

○

Ampersand (&)

○

○

Hashtag (#)

○

○

Asterisk (*)

◉

▣

Dollar sign ($)

⊘ Correct

5.

The following is a selection from a spreadsheet:

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 Pakistan, what is the correct VLOOKUP syntax?

1 / 1 point

○

○
=VLOOKUP(Pakistan, A2*B10, 2, false)

○

○
=VLOOKUP("Pakistan", A2:B10, 3, false)

◉

◉
=VLOOKUP("Pakistan", A2:B10, 2, false)

○

○
=VLOOKUP(Pakistan, A2:B10, 3, false)

⊘

Correct

6.

Question 6

When creating an SQL query, which JOIN clause returns all matching records in two or more database tables?

1 / 1 point

○

○
OUTER

◉

◉
INNER

○

○

LEFT

○

○

RIGHT

⊘ Correct

7.

Question 7

You are writing a query that contains the COUNT function. What should this query return?

1 / 1 point

○

○

The number of columns in a specified range

⦿

◼

The number of rows in a specified range

○

○

The number of times the query has been run

○

○

The sum of all values in a specified range

⊘ Correct

8.

Fill in the blank: In an SQL statement, the _____ is the name of the segment that executes first. Select all that apply.

1 / 1 point

☐

☐
central query

☑

⊠
inner query

> ⊘
> **Correct**

☐

☐
central select

☑

⊠
inner select

> ⊘
> **Correct**