



✓ **Congratulations! You passed!**
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Weekly challenge 3

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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 composition
- ☒ Data aggregation
- ☐ Data mapping
- ☐ Data grouping

✓ **Correct**

Data aggregation is the process of gathering data from multiple sources and combining it into a single, summarized collection.

2. A data analyst wants to be sure all of the numbers in a spreadsheet are numeric. What function should they use to convert text to numeric values?

1 / 1 point

- ☐ CONVERT
- ☐ PROCESS
- ☒ VALUE
- ☐ EXCHANGE

✓ **Correct**

The analyst should use the VALUE function to convert text to numeric values.

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**

One limitation of VLOOKUP is that it only returns the first match it finds, even if there are many possible matches within the column.

4. Fill in the blank: When writing a function, a data analyst wraps a table array in dollar signs. This is an ____, which is used to lock the array so rows and columns don't change if the function is copied.

1 / 1 point

- ☐ arbitrary reference
- ☒ absolute reference
- ☐ accurate reference
- ☐ authentic reference

✓ **Correct**

Wrapping a table array in dollar signs creates an absolute reference, which locks the array so rows and columns don't change if the function is copied.

5. The following is a selection from a spreadsheet:

1 / 1 point

	A	B	C
1	Country	Population in 2020 (millions)	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, 2, false)
- ☐ =VLOOKUP(Brazil, A2, B10, 3, false)

✓ **Correct**

To search for the population of Brazil, the syntax is =VLOOKUP("Brazil", A2:B10, 2, false). "Brazil" is the reference. A2:B10 is the table array. The 2 indicates the number of the column from which the value should be returned. And the word false instructs the function to return an exact match.

6. When creating a SQL query, which JOIN clause returns only records with matching values in two or more database tables?

1 / 1 point

- ☐ RIGHT
- ☒ INNER
- ☐ OUTER
- ☐ LEFT

✓ **Correct**

The INNER JOIN clause returns only records with matching values in two or more database tables.

7. The COUNT DISTINCT function includes repeating values when returning values in a specified range.

1 / 1 point

- ☐ True
- ☒ False

✓ **Correct**

The COUNT DISTINCT function does not include repeating values when returning values in a specified range.

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

1 / 1 point

- ☒ inner select

✓ **Correct**

In a SQL statement, the subquery — also called an inner query, inner select, or nested query — is the segment that executes first.

- ☒ inner query

✓ **Correct**

In a SQL statement, the subquery — also called an inner query, inner select, or nested query — is the segment that executes first.

- ☐ central query
- ☐ central select