✅ **Congratulations! You passed!**

Grade received 100%	**Latest Submission Grade** 100%	**To pass** 80% or higher	**Go to next item**

1. In data analytics, what is data aggregation? **1 / 1 point**

   ○ 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.

   ○ The process of modifying data in order to make it suitable for analysis.

   ◉ The process of gathering data from multiple sources and combining it into a single, summarized collection.

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

2. A data analyst uses the SUM function to add together numbers from a spreadsheet. However, 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**

   ◉ VALUE

   ○ CONVERT

   ○ FIGURE

   ○ DIGIT

   ✓ **Correct**
   The analyst can use the VALUE function to convert the text that represents a number to a numeric value.

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

1 / 1 point

- ⦿ To lock the function array so rows and columns don't change if the function is copied
- ○ 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

✓ **Correct**
The purpose of an absolute reference is to lock the function array so rows and columns don't change if the function is copied.

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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 growth in population in Indonesia, what is the correct VLOOKUP syntax?

- ○ =VLOOKUP(Indonesia, A2*C10, 3, false)
- ○ =VLOOKUP(Indonesia, A2:C10, 2, false)
- ○ =VLOOKUP("Indonesia", A2:C10, 2, false)
- ⦿ =VLOOKUP("Indonesia", A2:C10, 3, false)

✓ **Correct**

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

1 / 1 point

- ○ RIGHT
- ○ LEFT
- ⦿ INNER
- ○ OUTER

✓ **Correct**
The INNER JOIN clause returns all matching records in two or more database tables.

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

○ RANGE

○ RETURN RANGE

◉ COUNT

○ COUNT DISTINCT

⊘ **Correct**
When writing SQL queries, an analyst can use the COUNT function to return the number of rows 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

☐ central select

☑ 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.

☑ 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.

☐ central query