✅ **Congratulations! You passed!**

Grade received 100% **To pass** 80% or higher

[**Go to next item**]

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1. Describe the difference between a null and a zero in a dataset. 1 / 1 point

○ A null represents a value of zero. A zero represents an empty cell.

○ A null signifies invalid data. A zero is missing data.

◉ A null indicates that a value does not exist. A zero is a numerical response.

○ A null represents a number with no significance. A zero represents the number zero.

> ⊘ **Correct**
> A null indicates that a value does not exist. A zero is a numerical response.

2. What are the most common processes and procedures handled by data engineers? Select all that apply. 1 / 1 point

☑ Transforming data into a useful format for analysis

> ⊘ **Correct**
> Data engineers transform data into a useful format for analysis; give it a reliable infrastructure; and develop, maintain, and test databases and related systems.

☑ Developing, maintaining, and testing databases and related systems

> ⊘ **Correct**
> Data engineers transform data into a useful format for analysis; give it a reliable infrastructure; and develop, maintain, and test databases and related systems.

☐ Verifying results of data analysis

☑ Giving data a reliable infrastructure

> ⊘ **Correct**
> Data engineers transform data into a useful format for analysis; give it a reliable infrastructure; and develop, maintain, and test databases and related systems.

3. What are the most common processes and procedures handled by data warehousing specialists? Select all that apply.

1 / 1 point

- ☑ Ensuring data is available

  > ✓ **Correct**
  > Data warehousing specialists are responsible for ensuring data is available, secure, and backed up to prevent loss.

- ☑ Ensuring data is backed up to prevent loss

  > ✓ **Correct**
  > Data warehousing specialists are responsible for ensuring data is available, secure, and backed up to prevent loss.

- ☑ Ensuring data is secure

  > ✓ **Correct**
  > Data warehousing specialists are responsible for ensuring data is available, secure, and backed up to prevent loss.

- ☐ Ensuring data is properly cleaned

4. A data analyst is cleaning a dataset. They want to confirm that users entered five-digit zip codes correctly by checking the data in a certain spreadsheet column. What would be most helpful as the next step?

1 / 1 point

- ○ Using the MAX function to determine the maximum value in the cells in the column
- ○ Formatting the cells in the column as number
- ⦿ Using the field length tool to specify the number of characters in each cell in the column
- ○ Changing the column width to fit only five digits

  > ✓ **Correct**
  > Using the field length tool to specify the number of characters in each cell in the column would be the most helpful.