✓ **Congratulations! You passed!**
TO PASS 80% or higher

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Weekly challenge 3

LATEST SUBMISSION GRADE

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1. In which stage of the data life cycle does a business decide what kind of data it needs, how the data will be managed, and who will be responsible for it?

   1 / 1 point

   ○ Analyze

   ○ Manage

   ● Plan

   ○ Capture

   ✓ **Correct**

   During planning, a business decides what kind of data it needs, how it will be managed throughout its life cycle, who will be responsible for it, and the optimal outcomes.

2. The destroy stage of the data life cycle might involve which of the following actions? Select all that apply.

   1 / 1 point

   ☑ Using data-erasure software

   ✓ **Correct**

   The destroy phase of the data life cycle might involve shredding paper files or using data-erasure software.

   ☐ Storing data for future use

   ☐ Uploading data to the cloud

   ☑ Shredding paper files

   ✓ **Correct**

   The destroy stage of the data life cycle might involve shredding paper files or using data-erasure software.

3. During the capture stage of the data life cycle, a data analyst may use spreadsheets to aggregate data.

   1 / 1 point

   ○ True

   ● False

   ✓ **Correct**

   Using spreadsheets to aggregate data would happen during the analyze stage.

4. Describe how the data life cycle differs from data analysis.

   1 / 1 point

   ● The data life cycle deals with the stages that data goes through during its useful life; data analysis is the process of analyzing data.

   ○ The data life cycle deals with identifying the best data to solve a problem; data analysis is about asking effective questions.

   ○ The data life cycle deals with making informed decisions; data analysis is using tools to transform data.

   ○ The data life cycle deals with transforming and verifying data; data analysis is using the insights gained from the data.

   ✓ **Correct**

   The data life cycle involves stages for identifying needs and managing data. Data analysis involves process steps to make meaning from data.

5. A company takes insights provided by its data analytics team, validates them, and finalizes a strategy. They then implement a plan to solve the original business problem. This describes the share step of the data analysis process.

   1 / 1 point

   ○ True

   ● False

6. Fill in the blank: A formula is a set of instructions used to perform a specified calculation; whereas a function is _____.

`1 / 1 point`

○ a computer programming language

○ a question written by the user

◉ a predefined operation

○ a particular value

✓ **Correct**
A formula is a set of instructions used to perform a specified calculation; a function is a preset command that automatically performs a specified process.

7. Data analysts use queries to request, retrieve, and update information within a database.

`1 / 1 point`

◉ True

○ False

✓ **Correct**
Data analysts use queries to request, retrieve, and update information within a database.

8. Structured query language (SQL) enables data analysts to communicate with a database.

`1 / 1 point`

◉ True

○ False

✓ **Correct**
SQL allows a data analyst to communicate with a database in order to retrieve and manipulate data.