

**✔ Congratulations! You passed!**Grade received **100%** To pass 80% or higher[Go to next item](#)**\*Weekly challenge 3\***

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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. A data analyst is working at a small tech startup. They've just completed an analysis project, which involved private company information about a new product launch. In order to keep the information safe, the analyst uses secure data-erasure software for the digital files and a shredder for the paper files. Which stage of the data life cycle does this describe?

1 / 1 point

- ☐ Plan
- ☐ Archive
- ☒ Destroy
- ☐ Manage

**✔ Correct**

This describes the destroy phase, during which data analysts use secure data-erasure software and shred paper files to protect private information.

3. A data analyst uses a spreadsheet function to aggregate data. Then, they add a pivot table to show totals from least to greatest. This would happen during which stage of the data life cycle?

1 / 1 point

- ☐ Capture
- ☐ Plan
- ☒ Analyze
- ☐ Manage

**✔ Correct**

The analyze stage is when data is used to make good decisions, and a spreadsheet is a very useful tool for supporting that objective.

4. The data life cycle deals with the stages that data goes through; data analysis involves following a process to analyze data.

1 / 1 point

- ☒ True
- ☐ False

**✔ Correct**

The data life cycle deals with the stages that data goes through during its useful life; data analysis involves following a process to analyze 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 which step of the data analysis process?

1 / 1 point

- ☐ Analyze
- ☐ Process
- ☐ Share
- ☒ Act

**✔ Correct**

The act phase is when insights are put into action.

6. What is the main difference between a formula and a function?

1 / 1 point

- ☐ A formula is used to add or subtract; a function is used to multiply or divide.
- ☐ A formula begins with an equal sign (=); a function begins with an asterisk (\*).
- ☒ 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.
- ☐ A formula can be used multiple times in a spreadsheet; a function can only be used once.

✓ **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. Fill in the blank: To request, retrieve, and update information in a database, data analysts use a \_\_\_\_\_.

1 / 1 point

- ☐ dashboard
- ☒ query
- ☐ formula
- ☐ calculation

✓ **Correct**

A query enables data analysts to request, retrieve, and update information from 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.