



Try again once you are ready

TO PASS 80% or higher

Try again

GRADE

71.87%

Weekly challenge 3

LATEST SUBMISSION GRADE

71.87%

1. Relational databases illustrate relationships between tables. Which fields represent the connection between these tables? Select all that apply.

0.75 / 1 point

☐ Primary keys

☒ Foreign keys



Correct

Primary and foreign keys represent the connection between tables in a relational database.

☐ Secondary keys

☐ External keys

You didn't select all the correct answers

2. Metadata is data about data. What kinds of information can metadata offer about a particular dataset? Select all that apply.

0.25 / 1 point

☐ If the data is clean and reliable

☒ Which analyses to perform on the data



This should not be selected

Check out [the video on metadata](#) to review the material.

☐ How to combine the data with another dataset

☒ What kinds of data it contains



Correct

Metadata helps data analysts identify the type of data, if it is clean and reliable, and how it can be combined with another dataset.

3. Think about data as a student at a high school. In this metaphor, which of the following are examples of metadata? Select all that apply.

0.75 / 1 point

☒ Classes the student is enrolled in



Correct

The student ID number, enrollment date, and classes the student is enrolled in represent structural metadata.

☒ Grades the student earns



This should not be selected

Check out [the video on metadata](#) to review the material.

☒ Student's ID number



Correct

The student ID number, enrollment date, and classes the student is enrolled in represent structural metadata.

☒ Student's enrollment date



Correct

The student ID number, enrollment date, and classes the student is enrolled in represent structural metadata.

4. What is the process that data analysts use to ensure the formal management of their company's data assets?

1 / 1 point

- ☐ Data mapping
- ☒ Data governance
- ☐ Data integrity
- ☐ Data aggregation

✓ **Correct**

Data governance is the process of ensuring the formal management of a company's data assets.

5. A data analyst chooses not to use external data because it represents diverse perspectives. This is an appropriate decision when working with external data.

1 / 1 point

- ☐ True
- ☒ False

✓ **Correct**

External data representing diverse perspectives is not an appropriate reason to choose not to use a dataset. A data analyst might choose not to use external data if the it cannot be confirmed to be reliable.

6. A nonprofit provides laptops to students and maintains a list of how many laptops are provided to each school in the county. A data analyst wants to determine which schools were given the fewest laptops. In the table, there is a column called number_of_laptops. How should they sort the data to return these schools first?

1 / 1 point

- ☒ Sort numerically in ascending order
- ☐ Sort alphabetically in ascending order
- ☐ Sort alphabetically in descending order
- ☐ Sort numerically in descending order

✓ **Correct**

The data analyst should sort the number_of_laptops column numerically in ascending order.

7. When writing a query, you must remove the two backticks around the name of the dataset in order for the query to run properly.

1 / 1 point

- ☐ True
- ☒ False

✓ **Correct**

When writing a query, the name of the dataset can either be inside two backticks, or not, and the query will still run properly.

8. Fill in the blank: When writing a query, ____ are used to indicate the beginning and ending of a text string.

0 / 1 point

- ☒ backticks
- ☐ brackets
- ☐ single quotes
- ☐ asterisks

✗ **Incorrect**

Review [the section on using SQL with large datasets](#) for a refresher.