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BEWERTUNG

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Test your knowledge on working with databases

GESAMTPUNKTZAHL 5

1. Fill in the blank: Normalized databases help avoid ____ data.

1 / 1 Punkten

- ☒ redundant
- ☐ messy
- ☐ inaccurate
- ☐ abnormal

✓ Richtig

Normalized databases help avoid redundant data. Redundancies occur when the same piece of data is stored in more than one place in a database.

2. What does a database's metadata tells a data analyst about its contents? Select all that apply.

1 / 1 Punkten

☒ Where the data came from

✓ Richtig

A database's metadata tells a data analyst when the data was created, where it came from, and what it's all about.

☒ When the data was created

✓ Richtig

A database's metadata tells a data analyst when the data was created, where it came from, and what it's all about.

☒ What the data is all about

✓ Richtig

A database's metadata tells a data analyst when the data was created, where it came from, and what it's all about.

☐ Which type of analysis to perform on the data

3. What is the difference between a primary key and a foreign key?

1 / 1 Punkten

- ☐ A primary key is an identifier that references a column in which each value is identical. A foreign key references a column in which each value is unique.
- ☐ A primary key is an identifier that references a column of relevant data within a database. A foreign key is an identifier that references a column of irrelevant data.
- ☒ A primary key is an identifier that references a column in which each value is unique. A foreign key is a field within a table that's a primary key in the original table.
- ☐ A primary key is any column of data from a database. A foreign key is any column of data from a secondary database.

✓ Richtig

A primary key is an identifier that references a column in which each value is unique. A foreign key is a field within a table that's a primary key in the original table.

4. A data analyst at a PR firm needs to construct a database of celebrity clients. If their boss needs the data to be accessed as quickly as possible, the analyst should use a snowflake schema.

1 / 1 Punkten

- ☐ True
- ☒ False

✓ Richtig

A star schema prioritizes speed and simplicity.

5. Fill in the blank: A relational database contains a series of ____ that can be connected to form relationships.

1 / 1 Punkten

- ☒ tables
- ☐ cells
- ☐ fields
- ☐ schemas

✓ Richtig

A relational database contains a series of tables that can be connected to form relationships.