Question 1 (1 point)

Which level of decision making has a short term focus.

> operational level

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Question 2 (1 point)

Who are the primary users of a data lake?

> data scientist

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Question 3 (1 point) ✓ *Saved*

This type of table stores a set of highly related low cardinality data.

○ factless

○ outrigger

⦿ junk dimension

○ complete

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Question 4 (1 point)

Bad data often leads to bad decisions

- ● True
- ○ False

Question 5 (1 point)   ✓ *Saved*

This role is defined by experts that ensure the quality of the data.

- ○ information architect
- ○ database designer
- ● data steward
- ○ data owner

Question 6 (1 point)   ✓ *Saved*

The transformation for a data lake happens

- ○ Before entering the data lake
- ○ After analysis
- ● Before analysis
- ○ At any time

Question 7 (1 point)

This type of summarization tool takes multidimensional data and presents it in a two-dimensional format

cross-table

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Question 8 (1 point)   ✓ *Saved*

A data steward notices that there is data in different languages in the database. What type of data quality error is this?

- ◯ Intrinsic

- ◯ Accessibility

- ⦿ Representational

- ◯ Contextual

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Question 9 (4 points)   *Saving...* ⇅

What are the 4 categories of data quality.

intrinsic

contextual

representational

access

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Question 10 (3 points) ✓ *Saved*

Explain the three types of schema in data warehouses.

-star schema: consist of fact tables with dimesional tables for each fact
-snowfake schema: similar to star schema but the dimesional tables have more dimesion.
-fact constellation: consist of mutlitple of star schema with in between tables.

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Question 11 (1 point)

This is a scaled down version of a data warehouse focused on a small group of users.

data mart

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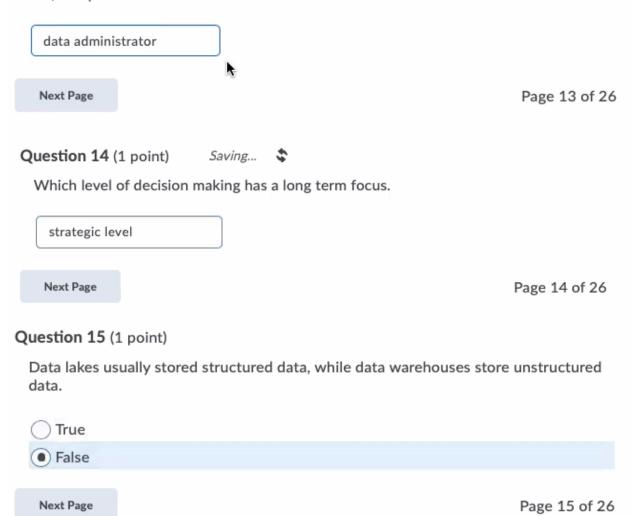**Question 12** (1 point) *Saving...* ⇕

A metamodel models metadata.

◉ True

◯ False

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Question 13 (1 point)

When something goes horribly wrong with the database, short of it being literally on fire, this person needs to fix it.

data administrator

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Question 14 (1 point)   *Saving...* ⇕

Which level of decision making has a long term focus.

strategic level

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Question 15 (1 point)

Data lakes usually stored structured data, while data warehouses store unstructured data.

○ True
● False

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Question 16 (2 points)   ✓ *Saved*

Explain how a volume of data can lead to poor data quality
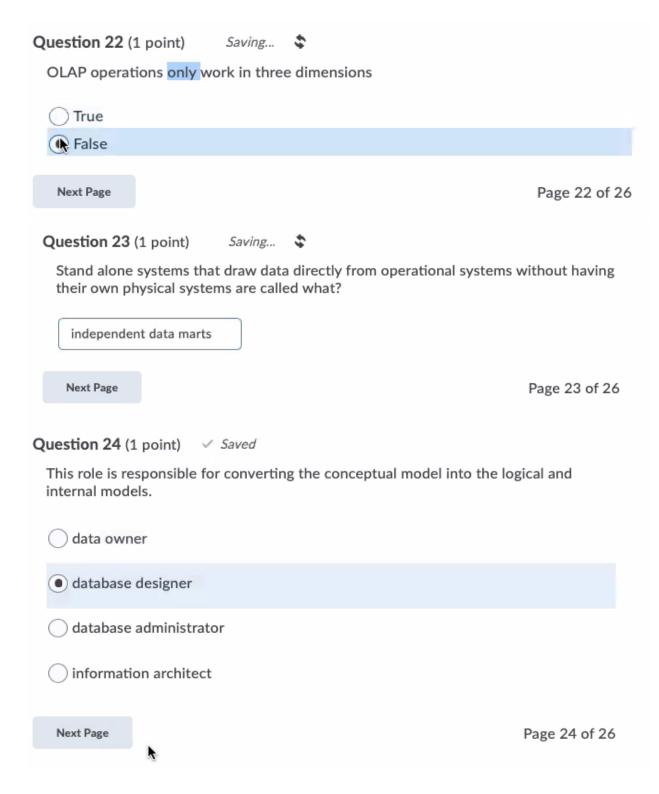
high volume of data make it difficult to access data at the resonable time.

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Question 17 (1 point)   ✓ *Saved*

Data governance is a constant cycle defining, measuring, analyzing, and improving.

◉ True

◯ False

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Question 18 (1 point)   ✓ *Saved*

What is the type of OLAP operation when one dimension is fixed to a particular value?

slicing

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Question 19 (1 point)   *Saving...* ⇕

Having more data always adds to the data quality.

- ○ True
- ◉ False

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Question 20 (1 point)   ✓ *Saved*

Which is not a common cause of bad data quality

- ○ limited computing resources

- ○ multiple data sources

- ◉ objective jugement in data production

- ○ changing data needs

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Question 21 (1 point)   *Saving...* ⇕

Business keys are typically not used in a data warehouse because they can be reused over long periods of time.

- ◉ True
- ○ False

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Question 22 (1 point)   *Saving...* ⇕

OLAP operations only work in three dimensions

○ True

◉ False

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Question 23 (1 point)   *Saving...* ⇕

Stand alone systems that draw data directly from operational systems without having their own physical systems are called what?

| independent data marts |

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Question 24 (1 point)   ✓ *Saved*

This role is responsible for converting the conceptual model into the logical and internal models.

○ data owner

◉ database designer

○ database administrator

○ information architect

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Question 25 (1 point)   ✓ *Saved*

Why can data incompleteness be useful information?

- ◯ We can find the fault of the incompleteness and therefore eliminate the cause of it

- ◯ We can find patterns in the incompleteness which can lead to information about a particular user

- ⦿ All of these are useful

- ◯ We can find faults in the data model, such as updating errors

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Question 26 (1 point)   ✓ *Saved*

This type of OLAP is not compatible with a traditional RDBMS but provides efficient storage and quick access

MOLAP

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