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QUESTION 1

You need to show joined data from 5 tables. Each table contains a large number of rows and could generate a large result set after executing the Joins.

The business is not expecting live data, and a 2-hour refresh is acceptable. Performance is a top priority.

What should you use? (Choose the best answer.)

- A. Table
- B. View
- C. Stored procedure
- D. Materialized view

Correct Answer: D

A materialized view is the best option to show joined data from 5 tables that contain a large number of rows and could generate a large result set after executing the joins. A materialized view is a physical table that holds the results of the SQL that a view would normally be constructed from and can be generated periodically. A materialized view can improve performance by reducing the execution time of complex queries that involve multiple joins, aggregations, or calculations. A materialized view can also reduce the load on the database server by storing the query results in advance. A materialized view can be refreshed at regular intervals or on demand to reflect the changes in the underlying tables. References: [Materialized Views], [View Performance]

QUESTION 2

HOTSPOT

You need to create and design an ERD that represents the client's bookstore inventory.

Match the entity descriptions to the most appropriate relationship. Each relationship type will be used once.

Hot Area:



Customer to purchase transaction

	▼
One-to-one	
Many-to-many	
One-to-many	
Many-to-one	

Edition to book

	▼
One-to-one	
Many-to-many	
One-to-many	
Many-to-one	

Book to ISBN (Unique identifier)

	▼
One-to-one	
Many-to-many	
One-to-many	
Many-to-one	

Author to book

	▼
One-to-one	
Many-to-many	
One-to-many	
Many-to-one	

Correct Answer:



Customer to purchase transaction

▼
One-to-one
Many-to-many
One-to-many
Many-to-one

Edition to book

▼
One-to-one
Many-to-many
One-to-many
Many-to-one

Book to ISBN (Unique identifier)

▼
One-to-one
Many-to-many
One-to-many
Many-to-one

Author to book

▼
One-to-one
Many-to-many
One-to-many
Many-to-one

QUESTION 3

You are facing issues when attempting to establish a SAML connection to an identity provider. You determine you need to increase the authentication-specific logging levels so that you can view trace level statements about the connection attempt in the application server log.

Which property file should you update to modify the log output level? (Choose the best answer.)

A. commons-logging.Properties



B. appian_log4j.properties

C. logging.properties

D. custom.properties

Correct Answer: B

The appian_log4j.properties file is used to configure the logging levels for Appian components, including authentication. You can modify this file to increase or decrease the verbosity of the log output for different categories. For example, to enable trace-level logging for SAML authentication, you can add this line to the file:
log4j.logger.com.appiancorp.suite.authentication.saml=TRACE
References: [Appian Logging Configuration], [SAML Troubleshooting]

QUESTION 4

You want to display a Gender dropdown, and its choice label may change in the future as per the business requirement.

Given transactional database tables rely on this data for reporting, what is the most appropriate action? (Choose the best answer.)

A. Create a constant and update it as per the business requirement.

B. Create a stored procedure and update it as per the business requirement.

C. Create an expression rule and update it as per the business requirement.

D. Create these entries in a table and reference them through a query entity rule as per the business requirement.

Correct Answer: D

The most appropriate action to display a Gender dropdown whose choice label may change in the future as per the business requirement is to create these entries in a table and reference them through a query entity rule as per the business requirement. This is because storing the choice labels in a table allows for easy maintenance and modification of the data without affecting the transactional database tables that rely on this data for reporting. Using a query entity rule allows for retrieving the data from the table and populating the dropdown component dynamically and consistently across different interfaces or processes that use this data. References: Dropdown Component, Query Entity Rule, Data Management

QUESTION 5

You want to generate an email body which varies from one Appian environment to another. For instance, between DEV and TEST.

According to Appian best practices, how should you define the environment name? (Choose the best answer.)

A. Create an expression rule and update its value post-deployment.

B. Create an environment-specific constant.

C. Create a constant and update its value post-deployment.



D. Create a stored procedure.

Correct Answer: B

According to Appian best practices, environment-specific constants should be used to define values that vary from one Appian environment to another. For example, if you want to generate an email body that contains the environment name, you can create a constant named ENVIRONMENT_NAME and assign it different values for DEV and TEST environments. This way, you can avoid hard-coding values in your expressions or rules, and simplify your deployment process by using automatic constant value mapping.

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