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**Appian**

# ACD200

*Appian Certified Senior Developer?*

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### Question: 1

You are investigating a slow-performing expression rule and want to analyze this rule's historical performance.

Which performance log should you look at to see the mean evaluation time of this rule every hour?

- A. expressions\_details.csv
- B. expressions\_metrics.csv
- C. expressions\_summary.csv
- D. expressions\_trace.csv

**Answer: A**

### Question: 2

You are creating a table to store book information for a library. The book has a reference number (ISBN\_ID), as well as a unique identifier (BOOK\_ID).

For the CDT to be created, which data type should you choose for the BOOK\_ID? (Choose the best answer.)

- A. Number (Integer)
- B. Number (Decimal)
- C. Date
- D. Boolean

**Answer: A**

### Question: 3

Which XSD element is NOT supported within an Appian CDT? (Choose the best answer.)

- A. <xsd:complexType>
- B. <xsd:key>
- C. <xsd:annotation>
- D. <xsd:simpleContent>

**Answer: B**

### Question: 4

Which review format is the most efficient way to coach team members and improve code quality? (Choose the best answer.)

- A. Peer Dev Review
- B. Automated Code Scanning
- C. Retrospectives
- D. User Acceptance Testing

**Answer: A**

### Question: 5

You are code-checking your colleague's process model before marking it as Ready for Deployment.

Which three best practices should be applied? (Choose three.)

- A. All nodes should have exception flows
- B. All XOR/OR gateways should have a single incoming ow.
- C. All outgoing flows from a gateway should be labeled
- D. Node inputs should not make the same query call more than once.
- E. Activity chaining should be added to the majority of flows.

**Answer: A,B,C,D**

### Question: 6

Which user role should be used to allow external systems to invoke Appian web APIs?

- A. Service Account
- B. System Administrator
- C. Application User
- D. Designer

**Answer: A**

### Question: 7

What are three things you can do to improve the memory usage of a process model? (Choose three.)

- A. Configure process variables to be parameters.
- B. Reduce the number of process variables.
- C. Avoid storing large blocks of text in process variables.
- D. Split large nodes into many smaller nodes.
- E. Pass data directly to activity nodes and smart services.

**Answer: A,B,C,E**

### Question: 8

You need to display the profile picture of each employee inside an employee grid, alongside their names and phone numbers.

According to Appian best practices, what is the preferred style and size for the images?

- A. style: `AVATAR`  
size: `LARGE`
- B. style: `STANDARD`  
size: `ICON`
- C. style: `STANDARD`  
size: `LARGE`
- D. style: `AVATAR`  
size: `SMALL`

**Answer: D**

### Question: 9

Which two practices are strongly discouraged for activity chaining? (Choose two.)

- A. Less than or equal to 5 seconds between attended activities.
- B. More than 50 node instances
- C. More than 5 seconds between attended activities
- D. Less than or equal to 50 node instances

**Answer: A,B,C**

### Question: 10

Your organization requires a process to be initiated via an Appian web API.

Which HTTP request methods should the API use?

- A. HEAD
- B. GET
- C. POST
- D. CONNECT

**Answer: C**

### Question: 11

You are referencing and using arrays of a CDT (Custom Data Type).

Which two statements are true? (Choose two.)

- A. Other Appian functions can be used within the square brackets `[]` when using dot notation to return specific data from the array.
- B. There is no difference between using dot notation and the `index()` function.
- C. An array of integers can be passed as the second parameter to the `index()` function to return the data at those position in the array.
- D. The function `wherecontains` can act on operands of different types.

**Answer: A,B,C**

### Question: 12

Your table contains several indexes.

Which two statements regarding indexes are correct? (Choose two.)

- A. Indexes increase the performance of Read operations.
- B. Indexes increase the performance of Write operations.
- C. Indexes decrease the performance of Write operations.
- D. Indexes decrease the performance of Read operations.

**Answer: A,C**

### Question: 13

Your organization is in the process of redesigning its user interfaces in order to use space efficiently.

Which layout component is most appropriate for displaying the interface where the meaningful order of components is vertical?

- A. a!columnsLayout()
- B. a!columnOverlay()
- C. a!cardLayout()
- D. a!sideBySideLayout()

**Answer: A**

### Question: 14

You have been asked to produce a Tempo report, with the following requirements:

The report should display in Appian.

The data is held in a business database, but performance in Appian is a key requirement.

Which three actions can you take to minimize the performance impact of your report? (Choose three.)

- A. Display the report as a task report on the Tasks tab.
- B. Limit the number of series values and categories in the report.
- C. Use local variables in your report interface to avoid redundant database queries.
- D. Use the query process analytics function to retrieve the data.
- E. Perform aggregation in the database using a view prior to reading the data into Appian.

**Answer: A,B,C,E**

### Question: 15

Your organization is considering automating the running of expression rule test cases to provide unit tests for your Appian applications.

Which three methods could be used to launch a test run when required? (Choose three.)

- A. Via the DevOps section of the Administration Console.
- B. A process model invoked via an AP
- C. A process model exposed to users as an action.
- D. A web hook from a content versioning system (CVS).
- E. A SAIL interface embedded in a report.

**Answer: A,D**

### Question: 16

What is the lowest permission required on the data store in order to query, write, and delete data?

- A. Manager
- B. Administrator
- C. Viewer
- D. Editor

**Answer: C**

### **Question: 17**

You are required to test a Related Action that updates record data. You need to make sure that the correct users can access the form and that the data is updating successfully.

Which is the most appropriate testing method to achieve this using Appian?

- A. Unit Testing
- B. User Interface (UI) Testing
- C. Load Testing
- D. Performance Testing

**Answer: A**

### **Question: 18**

You are using pie charts.

What is correct representation of Appian best practices? (Choose the best answer.)

- A. Use as many slices as possible.
- B. Pie charts should only be used to represent data that can be placed into identical categories.
- C. Use pie charts to show proportional data.
- D. Try to use multiple pie charts when comparing multiple sets of data.

**Answer: B**

### **Question: 19**

There is a need to relate two entities in the data structure: Employee and Skill.

Employees can have multiple skills, and a single skill can relate to multiple employees.

What kind of relationship would these entities have, and what is the minimum number of tables required to implement the design, according to Appian best practices? (Choose the best answer.)

- A. One-to-many; 2 tables
- B. Many-to-many; 2 tables
- C. Many-to-one; 2 tables
- D. Many-to-many; 3 tables

**Answer: D**

### **Question: 20**

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.

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	

- wrong

Answer: D

Question: 21

You are analyzing a poorly-performing process model.

You find that the process model in question has a lot of nodes and is mainly used to do background updates.

Which two things can be done to increase its performance? (Choose two.)

- A. Define the correct alerts for the process model.
- B. Remove all activity chaining.
- C. Use swim lanes in the process model.
- D. Refactor some nodes into subprocesses when possible.

**Answer: A,B,D**

### Question: 22

You need to build a process model that transforms a large data set.

Which two things should you ensure to include in your process model? (Choose two.)

- A. A subprocess is called using "Multiple Node Instances (MNI)" to perform the transformation on each item in the data set.
- B. An XOR gateway is added before the transformation node, to check for empty/null values.
- C. A loop is created within the process model that increments on each iteration, updating that particular row in the data set.
- D. The transformation is applied with an expression rule that takes the data set as an input, and loops through the dataset using a looping function, such as foreach.

**Answer: A,B,D**

### Question: 23

You are creating an ERD that models the data for a college and includes a Many-to-Many relationship, Student-to-Class, where a student can be enrolled in multiple classes, and a class can enroll multiple students.

How can you handle this relationship so that it can be supported in Appian and remain in at least First Normal Form? (Choose the best answer.)

- A. A joining table can be used to hold instances of Student/Class relationships.
- B. The Student table should have a Class field to hold an array of Class IDs.
- C. The Class table should have a Student field to hold an array of Student IDs.
- D. It cannot be done, because Appian CDTs cannot handle Many-to Many relationships.

**Answer: A**

### Question: 24

An organization has decided to integrate with a third-party to scan incoming documents and capture the details in a table called [appian].[document]. Each document will form a new case in Appian to be displayed on a Record List.

The record needs to show data from both [appian].[document] and [appian].[caseData], which holds additional case information.

What is the most efficient way to achieve this?

- A. Create a trigger on the [appian].[document] table to copy all the data across to the [appian].[caseData] table and point the record at [appian].[caseData].



- B. Create a SSIS package to run at a regular interval.
- C. Create a view between both the [appian].[document] and [appian].[caseData] tables to feed the record.
- D. Create a stored procedure to query the data from both the [appian].[document] and [appian].[caseData] tables.

**Answer: C**

### **Question: 25**

You are troubleshooting slow response times on a SAIL interface.

What are two potential causes of the performance issues? (Choose two.)

- A. Multiple rule inputs
- B. Multiple save operations
- C. Configuration of refresh variables
- D. Stacked button layout

**Answer: A,B,C**



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