Certified Platform Developer II

1. A Visualforce page loads slowly due to the large amount of data it displays.
Which strategy can a developer use to improve the performance?

A. Use Javascript to move data processing to the browser instead of the controller.

B. Use the transient keywords for the List variables used in the custom controller.

C. Use lazy loading to load the data on demand, instead of the controller's constructor.

D. Use an in the page to load all of the data asynchronously.

Answer(s): C

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2. Universal Containers wants to use a Customer Community with Customer Community Plus licenses so their customers can track how many containers they are renting and when they are due back. Many of their customers are global companies with complex Account hierarchies, representing various departments within the same organization. One of the requirements is that certain community users within the same Account hierarchy be able to see several departments' containers, based on a junction object that relates the Contact to the various Account records that represent the departments.
Which solution solves these requirements?

A. A Visualforce page that uses a Custom Controller that specifies without sharing to expose the records

B. A Custom List View on the junction object with filters that will show the proper records based on owner

C. A Custom Report Type and a report Lightning Component on the Community Home Page

D. An Apex Trigger that creates Apex Managed Sharing records based on the junction object's relationships

Answer(s): C

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3. Universal Containers wants to use an external Web Service provided by a third-party vendor to validate that shipping and billing addresses are correct. The current vendor uses basic password authentication, but Universal Containers might switch to a different vendor who uses OAuth.
What would allow Universal Containers to switch vendors without updating the code to handle authentication?

A. Custom Metadata

B. Custom Setting (List)

C. Dynamic Endpoint

D. Named Credential

Answer(s): D

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4. A company has a Lightning Page with many Lightning Components, some that cache reference data. It is reported that the page does not always show the most current reference data.
What can a developer use to analyze and diagnose the problem in the Lightning Page?

A. Salesforce Lightning Inspector Actions Tab

B. Salesforce Lightning Inspector Event Log Tab

C. Salesforce Lightning Inspector Transactions Tab

D. Salesforce Lightning Inspector Storage Tab

Answer(s): D

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5. A company has code to update a Request and Request Lines and make a callout to their external ERP system's REST endpoint with the updated records.

```
public void updateAndMakeCallout (Map<Id, Request__c> reqs, Map<Id, Reques
    Savepoint sp = Database.setSavepoint ();

    try {
        insert reqs.values ();
        insert reqLines.values ();
        HttpResponse response = CalloutUtil.makeRestCallout (reqs.keySet ()
    } catch (Exception e) {
        Database.rollback (sp);
        System.debug (e);
    }
}
```

The CalloutUtil.makeRestCallout fails with a 'You have uncommitted work pending. Please commit or rollback before calling out' error.
What should be done to address the problem?

A. Remove the Database.setSavepoint and Database.rollback.

B. Change the CalloutUtil.makeRestCallout to an @InvocableMethod method.

C. Change the CalloutUtil.makeRestCallout to an @future method.

D. Move the CalloutUtil.makeRestCallout method call below the catch block.

Answer(s): C

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6. A Visualforce page contains an industry select list and displays a table of Accounts that have a matching value in their Industry field.

When a user changes the value in the industry select list, the table of Accounts should be automatically updated to show the Accounts associated with the selected industry.
What is the optimal way to implement this?

A. Add an within the .

B. Add an within the .

C. Add an within the .

D. Add an within the .

Answer(s): C

7.

```
@isTest
static void testAccountUpdate() {
    Account acct = new Account(Name = 'Test');
    acct.Integration_Updated__c = false;
    insert acct;

    CalloutUtil.sendAccountUpdate(acct.Id);

    Account acctAfter = [SELECT Id, Integration_Updated__c FROM Account WHERE Id

    System.assert(true, acctAfter.Integration_Updated__c);
}
```

The test method above calls a web service that updates an external system with Account information and sets the Account's Integration_Updated c checkbox to True when it completes. The test fails to execute and exits with an error: "Methods defined as TestMethod do not support Web service callouts."
What is the optimal way to fix this?

A. Add Test.startTest() before and Test.setMock and Test.stopTest() after CalloutUtil.sendAccountUpdate.

B. Add Test.startTest() and Test.setMock before and Test.stopTest() after CalloutUtil.sendAccountUpdate.

C. Add if (!Test.isRunningTest()) around CalloutUtil.sendAccountUpdate.

D. Add Test.startTest() before and Test.stopTest() after CalloutUtil.sendAccountUpdate.

Answer(s): B

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8. A developer created and tested a Visualforce page in their developer sandbox, but now receives reports that users are encountering ViewState errors when using it in Production.
What should the developer ensure to correct these errors?

A. Ensure queries do not exceed governor limits.

B. Ensure properties are marked as Transient.

C. Ensure properties are marked as private.

D. Ensure profiles have access to the Visualforce page.

Answer(s): B

9.
{!v.account.Name}

{!v.account.AccountNumber}

{!v.account.Industry}

Refer to the component code above. The information displays as expected (in three rows) on a mobile device. However, the information is not displaying as desired (in a single row) on a desktop or tablet.
Which option has the correct component changes to display correctly on desktops and tablets?

A. {!v.account.Name} {!v.account.AccountNumber} {!v.account.Industry}

B. {!v.account.Name} {!v.account.AccountNumber} {!v.account.Industry}

C. {!v.account.Name} {!v.account.AccountNumber} {!v.account.Industry}

D. {!v.account.Name} {!v.account.AccountNumber} {!v.account.Industry}

Answer(s): C

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10. A company's support process dictates that any time a Case is closed with a Status of 'Could not fix', an Engineering Review custom object record should be created and populated with information from the Case, the Contact, and any of the Products associated with the Case.
What is the correct way to automate this using an Apex trigger?

A. An after update trigger that creates the Engineering Review record and inserts it

B. A before update trigger that creates the Engineering Review record and inserts it

C. An after upsert trigger that creates the Engineering Review record and inserts it

D. A before upsert trigger that creates the Engineering Review record and inserts it

Answer(s): A

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11. A company processes Orders within their Salesforce instance.
When an Order's status changes to 'Paid' it must notify the company's order management system (OMS).
The OMS exposes SOAP web service endpoints to listen for when to retrieve the data from Salesforce.
What is the optimal method to implement this?

A. Generate the Enterprise WSDL and use it to make a callout to the OMS.

B. Generate the Partner WSDL and use it to make a callout to the OMS.

C. Create an Outbound Message that contains the session ID and send it to the OMS.

D. Create an Apex trigger and make a callout to the OMS from the trigger.

Answer(s): C

12.

```
Line 1   public class AttributeTypes
Line 2   {
Line 3       private final String[] arrayItems;
Line 4
Line 5       @AuraEnabled
Line 6       public List<String> getStringArray() {
Line 7           String[] arrayItems = new String[]{ 'red', 'green', 'blue' };
Line 8           return arrayItems;
Line 9       }
Line 10  }
```

Consider the Apex controller above, that is called from a Lightning Aura Component.
What is wrong with it?

A. Line 1: class must be global

B. Lines 1 and 6: class and method must be global

C. Line 6: method must be static

D. Line 8: method must first serialize the list to JSON before returning

Answer(s): C

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13. An Apex class does not achieve expected code coverage. The testSetup method explicitly calls a method in the Apex class. How can the developer generate the code coverage?

A. Verify the user has permissions passing a user into System.runAs().

B. Call the Apex class method from a testMethod instead of the testSetup method.

C. Add @testVisible to the method in the class the developer is testing.

D. Use system.assert() in testSetup to verify the values are being returned.

Answer(s): B

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14. A developer is trying to decide between creating a Visualforce component or a Lightning component for a custom screen.
Which functionality consideration impacts the final decision?

A. Does the screen need to be rendered as a PDF?

B. Does the screen need to be accessible from the Lightning Experience UI?

C. Will the screen make use of a JavaScript framework?

D. Will the screen be accessed via a mobile app?

Answer(s): A

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15. A developer wishes to improve runtime performance of Apex calls by caching results on the client.
What is the best way to implement this?

A. Decorate the server-side method with @AuraEnabled(cacheable=true).

B. Set a cookie in the browser for use upon return to the page.

C. Call the setStorable() method on the action in the JavaScript client-side code.

D. Decorate the server-side method with @AuraEnabled(storable=true).

Answer(s): A

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16. A developer is asked to update data in an org based on new business rules. The new rules state that Accounts with the type set to 'Customer' should have a status of 'Active', and Accounts with the type set to 'Prospect' should have a status of 'Pending'. No other changes to data should be made.
Which code block will accurately meet the business requirements?

A. Map statusMap = new Map{'Customer'=>'Active', 'Prospect'=>'Pending'}List accountUpdates = new List();for (Account a : [SELECT Id, Type FROM Account]){ if (statusMap.containsKey(a.Type)) { a.Status = a.Type == 'Customer' ? 'Active' : 'Pending'; } accountUpdates.add(a);}update accountUpdates;

B. Map statusMap = new Map{'Customer'=>'Active', 'Prospect'=>'Pending'}List accountUpdates = new List();for (Account a : [SELECT Id, Type FROM Account WHERE Status IN :statusMap.keySet()]){ a.Status = statusMap.get(a.Type); accountUpdates.add(a);}update accountUpdates;

C. List accountUpdates = new List();for (Account a : [SELECT Id, Type FROM Account]){ if (String.isNotBlank(a.Type) && a.Type == 'Customer'){ a.Status = 'Active';} if (String.isNotBlank(a.Type) && a.Type == 'Prospect'){ a.Status = 'Pending'; } accountUpdates.add(a); }update accountUpdades;

D. List accountUpdates = new List();for (Account a : [SELECT Id, Type FROM Account]){ a.Status = a.Type == 'Customer' ? 'Active' : 'Pending'; accountUpdates.add(a);}update accountUpdates;

Answer(s): C

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17. What is a benefit of JavaScript remoting over Visualforce Remote Objects?

A. Allows for specified re-render targets

B. Does not require any Apex code

C. Does not require any JavaScript code

D. Supports complex server-side application logic

Answer(s): D

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18. A Lightning Component functions in preview mode and needs to be used inside a Lightning App Builder page, but it is not available.
What change should be applied to the component?

A. Expose it in the markup using the implements and access attributes.

B. Delete the component, metadata, and Apex controller and recreate them.

C. Refresh the sandbox and upgrade it to the latest API version.

D. Look for errors in the logic in the JavaScript controller.

Answer(s): A

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19. Recently a Salesforce org's integration failed because it exceeded the number of allowed API calls in a 24-hour period. The integration handles a near real-time, complex insertion of data into Salesforce.
The flow of data is as follows:
-The integration looks up Contact records with a given email address and, if found, the integration adds a Task to the first matching Contact it finds.
-If a match is not found, the integration looks up Lead records with a given email address and, if found, the integration adds a Task to the first matching Lead it finds.
-If a match is not found, the integration will create a Lead and a Task for that newly created Lead.
What is one way in which the integration can stay near real-time, but not exceed the number of allowed API calls in a 24-hour period?

A. Use the REST API as well as the SOAP API to effectively double the API calls allowed in a 24-hour period.

B. Create an Inbound Message that, using Flow, can do all of the logic the integration code was doing.

C. Write a custom Apex web service that, given an email address, does all of the logic the integration code was doing.

D. Create several Apex InboundEmailHandlers to accept calls from the third-party system, thus bypassing the API limits.

Answer(s): C

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20. A company wants to build a custom Lightning Component that will display a specified Account Field Set and that can only be added to the Account record page.
Which design resource configuration should be used?

A. FieldSet

B. Account

C. FieldSet

D. Account

Answer(s): B