

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

```
<apex:selectList value="{!selectedIndustry}">
```

```
<apex:selectOptions values="{!industries}"/>
```

```
</apex:selectList>
```

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 `<apex: actionFunction>` within the `<apex:selectList>`.
- B. Add an `<apex: actionSupport>` within the `<apex: selectOptions>`.
- C. Add an `<apex: actionFunction>` within the `<apex:selectOptions>`.
- D. Add an `<apex: actionSupport>` within the `<apex:selectList>`.**

2. 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 or D]

A. use lazy loading to load the data on demand, instead of in the controller's constructor.

B. use an `<apex:actionPoller>` in the page to load all of the data asynchronously.

C. use Javascript to move data processing to the browser instead of the controller.

D. Use the transient keyword for the List variables used in the custom controller.

4. A company wants to incorporate a third-party web service to set the Address fields when an Account is inserted, if they have not already been set.

What is the optimal way to achieve this?

A. Create a Process, call an Apex `@InvocableMethod` from it, and make the callout from that Apex method.

B. Create an after insert trigger, call an `@future(callout=true)` method from it, and make the callout from that Apex method.

C. Create a Process, call an Apex `@future(callout=true)` method from it, and make the callout from that Apex method.

D. Create an after insert trigger, call an Apex @InvocableMethod method from it, and make the callout from that Apex method.

5.

Example 1:

```
AggregateResult[] groupedResults = [SELECT CampaignId, AVG(Amount) FROM Opportunity GROUP BY CampaignId];
```

```
for (AggregateResult ar : groupedResults)
```

```
{
```

```
System.debug ('Campaign ID' + ar.get('CampaignId'));
```

```
System.debug ('Average amount' + ar.get('exprd'));
```

```
}
```

Example 2:

```
AggregateResult[] groupedResults = [SELECT CampaignId, AVG(Amount) theAverage FROM Opportunity GROUP BY CampaignId];
```

```
for (AggregateResult ar : groupedResults)
```

```
{
```

```
System.debug(*Campaign ID' + ar.get('CampaignId'));
```

```
System.debug ('Average amount' + ar.get('theAverage'));
```

```
}
```

Example 3:

```
AggregateResult[] groupedResults = [SELECT CampaignId, AVG(Amount) FROM Opportunity GROUP BY CampaignId];
```

```
for (AggregateResult ar : groupedResults)
```

```
System.debug(*Campaign ID' + ar.get('CampaignId'));
```

```
System.debug('Average amount' + ar.get.AVG());
```

```
}
```

Example 4:

```
AggregateResult[] groupedResults = [SELECT CampaignId, AVG(Amount) theAverage FROM Opportunity  
GROUP BY CampaignId];
```

```
for (AggregateResult ar : groupedResults)
```

```
{
```

```
System.debug('Campaign ID' + ar.get('CampaignId'));
```

```
System.debug ('Average amount' + ar.theAverage);
```

```
}
```

Which two of the examples above have correct System.debug statements?

Choose 2 answers

A. Example 1

B. Example 2

C. Example 3

D. Example 4

6. Business rules require a Contact to always be created when a new Account is created.

What can be used when developing a custom screen to ensure an Account is not created if the creation of the Contact fails?

A. use the Database.Delete method if the Contact insertion fails.

B. Disable validation rules on Contacts and set default values with a Trigger.

C. use the Database.Insert method with allOrNone set to False.

D. use setSavePoint() and rollback() with a try/catch block.

7. A developer built a Component to be used at the front desk for guests to self-register upon arrival at a kiosk. The developer is now asked to create a Component for the Utility Tray to alert Users whenever a guest has arrived at the front desk.

What should be used?

A. Changelog

B. Component Event

C. Application Event

D. DML Operation

8. Which statement should be used to allow some of the records in a list of records to be inserted if others fail to be inserted?

A. Database.insert(records, false)

B. Database.insert(records, true)

C. insert records

D. insert (records, false)

9. A company represents their customers as Accounts that have an External ID field called Customer_Number__c. They have a custom Order (Order__c) object, with a Lookup to Account, to represent Orders that are placed in their external order management system (OMS). When an order is fulfilled in the OMS, a REST call to Salesforce should be made that creates an Order record in Salesforce and relates it to the proper Account.

What is the optimal way to implement this?

A. Perform a REST GET on the Account and a REST POST to update the Order__c with the Account's record ID.

B. Perform a REST PATCH to upsert the Order__c and specify the Account's Customer_Number__c in it.

C. Perform a REST GET on the Account and a REST PATCH to upsert the Order__c with the Accounts record ID.

D. Perform a REST POST to update the Order__c and specify the Account's Customer_Number__c in it.

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

11 Of Universal Containers uses Big Objects to store almost a billion customer transactions called Customer_Transaction__b. These are the fields on Customer_Transaction__b:

Account__c

Program__c

Points_Earned__c

Location__c

Transaction_Date__c

The following fields have been identified as Index Fields for the Customer_Transaction__b object:

Account__c, Program__c, and Transaction_Date__c.

Which SOQL query is valid on the Customer_Transaction__b Big Object?

A. SELECT Account__c, Program__c, Transaction_Date__c FROM Customer_Transaction__b

WHERE Account__c = '001R000000302D3' AND Program__c = 'Shoppers' AND Transaction_Date__c=2019-05-31T00:00Z

B. SELECT Account__c, Program__c, Transaction_Date__c FROM Customer_Transaction__b WHERE Account__c = '001R000000302D3' AND Program__c LIKE 'Shop%' AND Transaction_Date__c=2019-05-31T00:00Z

C. SELECT Account__c, Program__c, Transaction_Date__c FROM Customer_Transaction__b WHERE Account__c = '001R000000302D3' AND Program__c EXCLUDES ('Shoppers', 'Womens') AND Transaction_Date__c=2019-05-31T00:00Z

D. SELECT Account__c, Program__c, Transaction_Date__c FROM Customer_Transaction__b WHERE Account__c = '001R000000302D3' AND Program__c INCLUDES ('Shoppers', 'Womens') AND Transaction_Date__c=2019-05-31T00:00Z

12.

```
global with sharing class MyRemoter {  
  
    public String accountName { get; set; }  
  
    public static Account account { get; set; }  
  
    public AccountRemoter() {}  
  
    @RemoteAction  
  
    global static Account getAccount (String accountName) {  
  
        account = [SELECT Id, Name, NumberOfEmployees FROM Account WHERE Name = :accountName];  
  
        return account;  
  
    }  
  
}
```

Consider the Apex class above that defines a RemoteAction used on a Visualforce search page.

Which code snippet will assert that the remote action returned the correct Account?

A. MyRemoter remote = new MyRemoter();

Account a = remote.getAccount ({'TestAccount'});

System.assertEquals{ 'TestAccount', a.Name };

B. Account a = MyRemoter.getAccount ('TestAccount');

System.assertEquals{ 'TestAccount', a.Name };

C. MyRemoter remote = new MyRemoter('TestAccount');

Account a = remote.getAccount {};

```
System.assertEquals({ 'TestAccount', a.Name };
```

```
D. Account a = controller.getAccount('TestAccount');
```

```
System.assertEquals({ 'TestAccount', a.Name };
```

13. A company has a custom object, Order__c, that has a required, unique, external ID field called Order_Number__c. Which statement should be used to perform the DML necessary to insert new records and update existing records in a List of Order__c records?

A. upsert orders;

B. merge orders;

C. merge orders Order_Number__c;

D. upsert orders Order_Number__c;

14. A developer needs to send Account records to an external system for backup purposes. The process must take a snapshot of Accounts as they are saved and then make a callout to a RESTful web service. The web service can only receive, at most, one record per call.

Which feature should be used to implement these requirements?

A. workflow

8. @future

C. Queueable

D. Process Builder

15. A developer created a new trigger that inserts a Task when a new Lead is created. After deploying to production, an outside integration is periodically reporting errors.

Which change should the developer make to ensure the integration is not affected with minimal impact to business logic?

A. Use the Database method with allOrNone set to False.

B use Try/Catch block after the insert statement.

C. Remove the Apex Class from the Integration User's Profile.

D. Deactivate the Trigger before the Integration runs.

16. An org has a requirement that an Account must always have one and only one Contact listed as Primary. So selecting one Contact will de-select any others. The client wants a checkbox on the Contact called 'Is Primary' to control this feature. The client also wants to ensure that the last name of every Contact is stored entirely in uppercase characters.

What is the optimal way to implement these requirements?

A. write a single trigger on Contact for both after update and before update and callout to helper classes to handle each set of logic.

B. Write an after update trigger on Contact for the Is Primary logic and a separate before update trigger on Contact for the last name logic.

C. write an after update trigger on Account for the Is Primary logic and a before update trigger on Contact for the last name logic.

D. write a Validation Rule on the Contact for the Is Primary logic and a before update trigger on Contact for the last name logic.

17. A developer is writing code that requires making callouts to an external web service.

Which scenario necessitates that the callout be made in an @future method?

4. The callouts will be made in an Apex Test class.

B. The callouts will be made in an Apex Trigger.

C. The callout could take longer than 60 seconds to complete.

D. over 10 callouts will be made in a single transaction.

18. UC Loans is a small company with a part time Salesforce administrator. UC Loans wants to create a Loan__c record whenever an Opportunity is won.

What is the optimal solution for UC Loans to accomplish this?

- A. quick Action
- B. Apex Trigger
- C. Process Builder**
- D. workflow Rule

19.

```
<lightning: layout multipleRows="true">
<lightning: layoutItem size="12">{!v.account.Name}
</lightning: layoutItem>
<lightning:layoutItem size="12">{!v. account .AccountNumber}
</lightning: layoutItem>
<lightning: layoutItem size="12">{!v.account. Industry}
</lightning: layoutItem>
</lightning: layout>
```

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. `<lightning: layout multipleRows="true">`

```
<lightning:layoutItem size="12" mediumDeviceSize="4">{!v.account.Name}
</lightning: layoutItem>
<lightning:layoutItem size="12" mediumDeviceSize="4">{!v.account.AccountNumber}
</lightning: layoutItem>
<lightning:layoutItem size="12" mediumDeviceSize="4">{!v.account.Industry}
```

</lightning: layoutItem>

</lightning: layout>

B. <lightning: layout multipleRows="true">

<lightning:layoutItem size="12" largeDeviceSize="4">{!v.account.Name}

</lightning: layoutItem>

<lightning:layoutitem size="12" largeDeviceSize="4">{!v.account .AccountNumber}

</lightning: layoutItem>

<lightning:layoutItem size="12" largeDeviceSize="4">{ '!v.account.Industry}

</lightning: layoutItem>

</lightning: layout>

C. <lightning: layout multipleRows="true">

<lightning:layoutItem size="12" mediumDeviceSize="6">{!v.account.Name}

</lightning: layoutItem>

<lightning:layoutItem gize="12" mediumDeviceSize="6">{!v.account.AccountNumber}

</lightning: layoutItem>

<i;lightning:layoutItem size="12" mediumDeviceSize="6">{!v.account. Industry}

</lightning: layoutItem>

</lightning: layout>

D. <lightning: layout multipleRows="true">

<lightning:layoutItem gize="12" mediumDeviceSize="6" largeDeviceSize="4">{!v.account.Name}

</lightning: layoutItem>

<lightning:layoutItem size="12" mediumDeviceSize="6" largeDeviceSize="4">{!v.account
.AccountNumber}

</lightning: layoutItem>

<lightning:layoutItem size="12" mediumDeviceSize="6" largeDeviceSize="4">{!v.account.Industry}

</lightning: layoutItem>

</lightning: layout>

20.

@isTest

```
static void testIncrement() {
```

```
    Account acct = new Account (Name = 'Test');
```

```
    acct.Number Of Times Viewed__c = 0;
```

```
    insert acct;
```

```
    AuditUtil.incrementViewed (acct.Id);
```

```
    Account acctAfter = [SELECT Number Of Times Viewed__c FROM Account WHERE Id = :acct.Id] [0];
```

```
    System.assertEquals(1, acctAfter.Number Of Times Viewed__c);
```

```
}
```

The test method above calls an @future method that increments the Number_of_Times_Viewed__c value. The assertion is failing because the Number_of_Times_Viewed__c equals 0.

What is the optimal way to fix this?

A. Change the initialization to acct.Number_Of_Times_Viewed__c = 1.

B. Change the assertion to System.assertEquals(0, acctAfter.Number_Of_Times_Viewed__c).

C. Add Test.startTest() before and Test.stopTest() after AuditUtil.incrementViewed.

D. Add Test.startTest() before and Test.stopTest() after insert acct.

21. A large company uses Salesforce across several departments. Each department has its own Salesforce Administrator. It was agreed that each Administrator would have their own sandbox in which to test changes. Recently, users notice that fields that were recently added for one department suddenly disappear without warning. Also, Workflows that once sent emails and created tasks no longer do so.

Which two statements are true regarding these issues and resolution?

Choose 2 answers

A. A sandbox should be created to use as a unified testing environment instead of deploying Change Sets directly to production.

B. Page Layouts should never be deployed via Change Sets, as this causes Workflows and Field-level Security to be reset and fields to disappear.

C. The administrators are deploying their own Change Sets, thus deleting each other's fields from the objects in production.

D. The administrators are deploying their own Change Sets over each other, thus replacing entire Page Layouts and Workflows in Production.

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

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

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

23.

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

24. A developer is writing a Visualforce page that queries accounts in the system and presents a data table with the results. The users want to be able to filter the results based on up to five fields. However, the users want to pick the five fields to use as filter fields when they run the page.

Which feature of Apex code is required to facilitate this solution?

A. REST API

B. Dynamic Schema binding

C. describeSObjects()

D. SOSL queries

25 .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. `List<Account> accountUpdates = new List<Account>();`

`for (Account a : [SELECT Id, Type FROM Account]){`

`a.Status = a.Type == 'Customer' ? 'Active' : 'Pending';`

`accountUpdates.add (a);`

`}`

`update accountUpdates;`

B. `Map<String, String> statusMap = new Map<String, String>{'Customer'=>'Active', 'Prospect'=>'Pending'}`

`List<Account> accountUpdates = new List<Account>();`

`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. `Map<String, String> statusMap = new Map<String, String>{'Customer'=>'Active', *Prospect'=>'Pending'}`

`List<Account> accountUpdates = new List<Account>();`

`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;

D. List<Account> accountUpdates = new List<Account>{};

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 accountUpdates;

```

26. An Apex trigger creates an Order__c record every time an Opportunity is won by a Sales Rep. Recently the trigger is creating two orders.

What is the optimal method for a developer to troubleshoot this?

- A. Run the Apex Test Classes for the Apex trigger to ensure the code still has sufficient code coverage.
- B. Turn off all Workflow Rules, then turn them on one at a time to see which one causes the error.**
- C. add system.debug() statements to the code and use the Developer Console logs to trace the code.
- D. Set up debug logging for every Sales Rep, then monitor the logs for errors and exceptions.

27. A developer wants to call an Apex Server-side Controller from a Lightning Aura Component.

What are two limitations to the data being returned by the Controller?

Choose 2 answers

- A. Lists of Custom Apex Classes cannot be returned by Apex Controllers called by Lightning Aura Components.

B. Basic data types are supported, but defaults, such as maximum size for a number, are defined by the objects that they map to.

C. A custom Apex Class can be returned, but only the values of public instance properties and methods annotated with @AuraEnabled are serialized and returned.

D. Only Basic data types and sObjects are supported as return types for Apex Controllers called by Lightning Aura Components.

28 .

@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 = :acct.Id] [0];  
    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 if (!Test.isRunningTest()) around CalloutUtil.sendAccountUpdate.

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

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

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

29. An Apex Trigger creates a Contract record every time an Opportunity record is marked as Closed and Won. This trigger is working great, except (due to a recent acquisition) historical Opportunity records need to be loaded into the Salesforce instance.

When a test batch of records are loaded, the Apex Trigger creates Contract records. A developer is tasked with preventing Contract records from being created when mass loading the Opportunities, but the daily users still need to have the Contract records created.

What is the most extendable way to update the Apex Trigger to accomplish this?

- A. **Use a Hierarchy Custom Setting to disable the Trigger for the user who does the data loading.**
- B. Add a Validation Rule to the Contract to prevent Contract creation by the user who does the data loading.
- C. Use a List Custom Setting to disable the Trigger for the user who does the data loading.
- D. add the Profile Id of the user who does the data loading to the Trigger so the Trigger won't fire for this user.

30. What is the optimal technique a developer should use to programmatically retrieve Global Picklist options in a Test Method?

- A. Perform a callout to the Metadata API.
- B. Use the Schema namespace.
- C. performs a SOQL Query.
- D. **Use a static resource.**

31. A developer gets an error saying 'Maximum Trigger Depth Exceeded.'

What is a possible reason to get this error message?

- A. the SOQL governor limits are being hit.
- B. A Process Builder is running that sends mass emails.
- C. **trigger is recursively invoked more than 16 times.**
- D. There are numerous DML operations in the trigger logic.

32. A company notices that their unit tests in a test class with many methods to create many records for prerequisite reference data are slow.

What can a developer do to address the issue?

A. Move the prerequisite reference data setup to a TestDataFactory and call that from each test method.

B. Move the prerequisite reference data setup to the constructor for the test class.

C. Move the prerequisite reference data setup to a static method in the test class and call that from each test method.

D. Move the prerequisite reference data setup to a @testSetup method in the test class.

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

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

34. trigger AssignOwnerByRegion on Account (before insert, before update)

{

List<Account> accountList = new List<Account>();

for(Account anAccount : trigger.new)

{

Region__c theRegion = [

SELECT Id, Name, Region_Manager__c FROM Region__c WHERE Name = :anAccount -Region_Name__c];

anAccount.OwnerId = theRegion.Region_Manager__c;

```
accountList.add( anAccount );  
  
}  
  
update accountList;  
  
}
```

Consider the above trigger intended to assign the Account to the manager of the Account's region.

Which two changes should a developer make in this trigger to adhere to best practices?

Choose 2 answers

- A. use a Map accountMap instead of List accountList.**
- B. Use a Map to cache the results of the Region__c query by Id.
- C. Move the Region__c query to outside the loop.
- D. Remove the last line updating accountList as it is not needed.**

35. A user receives the generic "An internal server error has occurred" while interacting with a custom Lightning Component.

What should the developer do to ensure a more meaningful message?

- A. use an AuraHandledException in a try/catch block.**
- B. Use ProcessBuilder to catch the error.
- C. Add an onerror event handler to the tag.
- D. Add an error-view component to the markup.

36. A company has a custom object, Sales Demo Request, that has a lookup to an Opportunity. It is required that a Sales Demo Request record be created when an Opportunity's Probability is greater than 50%.

What is the optimal way to automate this?

- A. Build a Flow on Opportunity.
- B. Create a Workflow on Opportunity.
- C. Use an Apex Trigger on Opportunity.

D. Build a Process on Opportunity.

37. Given a list of Opportunity records named opportunityList, which code snippet is best for querying all Contacts of the Opportunity's Account?

A. List <Contact> contactList = new List <Contact>();

Set <Id> accountIds = new Set <Id> ();

for (Opportunity o : opportunityList) {

accountIds.add(o.AccountId);

}

for(Account a : [SELECT Id, (SELECT Id FROM Contacts) FROM Account WHERE Id IN :accountIds]) {

contactList.addAll {a.Contacts} ;

}

B. List <Contact> contactList = new List <Contact>();

Set <Id> accountIds = new Set <Id> ();

for (Opportunity o : opportunityList) {

contactIds.add(o.ContactId);

}

for(Contact c : [SELECT Id FROM Contact WHERE Id IN :contactIds]){

contactList.add(c);

}

C. List <Contact> contactList = new List <Contact>();

for (Opportunity o : opportunityList) {

Account a = [SELECT Id, (SELECT Id FROM Contacts) FROM Account WHERE Id = :o.AccountId]

contactList.addAll(a.Contacts);

)

D. List <Contact> contactList = new List <Contact>();

for (Contact c : [SELECT Id FROM Contact WHERE AccountId IN :opportunityList.AccountId]){

```
contactList.add{c};  
}
```

38. What are three benefits of using declarative customizations over code?

Choose 3 answers

- A. Declarative customizations generally require less maintenance.
- B. Declarative customizations do not require user testing.**
- C. Declarative customizations cannot generate run time errors.
- D. Declarative customizations will automatically update with each Salesforce release.**
- E. Declarative customizations are not subject to governor limits.**

39. 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 Storage Tab**
- B. Salesforce Lightning Inspector Actions Tab
- C. Salesforce Lightning Inspector Event Log Tab
- D. Salesforce Lightning Inspector Transactions Tab

40. 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. add @testVisible to the method in the class the developer is testing.
- B. Use system.assert() in testSetup to verify the values are being returned.
- C. Call the Apex class method from a testMethod instead of the testSetup method.
- D. Verify the user has permissions passing a user into System.runAs().**

42. 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 Setting (List)

B. Custom Metadata

C. Named Credential

D. Dynamic Endpoint

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

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

44. Which method should be used to convert a Date to a String in the current user's locale?

A. `Date.format`

B. `Date.parse`

C. `String.format`

D. `String.valueOf`

45. A company wants to implement a new call center process for handling customer service calls. It requires service reps to ask for the caller's account number before proceeding with the rest of their call script.

Following best practices, what should a developer use to meet this requirement?

A. Approvals

B. Flow Builder

C. Apex Trigger

D. Process Builder

46. Which interface needs to be implemented by a Lightning Component so that it may be displayed in modal dialog by clicking a button on a Lightning Record page?

A. force: lightningQuickAction

B. lightning:editAction

C. lightning:quickAction

D. force:lightningEditAction

47. A company has a web page that needs to get Account record information, given its Salesforce record ID, from JavaScript on the page and then display it.

Which method of integration is optimal?

A. SOAP API

B. Apex REST Web Service

C. Apex SOAP Web Service

D. REST API

48. Universal Containers wants to use a Customer Community with Customer Community Plus licenses so their customers can track how many of 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 Custom Report Type and a report Lightning Component on the Community Home Page

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

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

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

49. A company has many different unit test methods that create Account records as part of their data setup. A new required field was added to the Account and now all of the unit tests fail.

What is the optimal way for a developer to fix the issue?

A. Add the required field to the data setup for all of the unit tests.

B. Add a before insert trigger on Account to set the value of the required field.

C. Create a TestDataFactory class that serves as the single place to create Accounts for unit tests and set the required field there.

D. Change the required field to be a validation rule that excludes the System Administrator profile.

50. A developer is trying to access org data from within a test class.

Which sObject type requires the test class to have the (seeAllData=true) annotation?

A. **RecordType**

B. **profile**

C. **user**

D. Report

51. 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. `<design:component label="Account FS Component">`

`<design:attribute name="fieldSetName" label="Field Set Name" />`

`<sfdc:objects>`

`<sfdc:object>Fieldset</sfdc:object>`

`</sfdc:objects>`

`</design: component>`

B. <design:component label="Account FS Component">
<aura:attribute name="fieldSetName" label="Field Set Name" />
<sfdc:objects>
<sfdc:object>Pieldset</sfdc:object>
</sfdc:objects>
</design: component>

C. <design:component label="Account FS Component">
<aura:attribute name="fieldSetName" label="Field Set Name" />
<sfidc:objects>
<sfdce:object>Account</sfdc:object>
</sfdc:objects>
</design: component>

D. <design:component label="Account FS Component">
<design:attribute name="fieldSetName" label="Field Set Name" />
<sfidc:objects>
<sfdc:object>Account</sfdc:object>
</sfdc:objects>
</design: component>

52. 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 accessible from the Lightning Experience UI?

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

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

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

53. Sometimes events on Salesforce need to be handled by an external system due to the scale or type of process being executed. Consider the use case of a user in Salesforce needing to get pricing for an order they are building in Salesforce while on the phone with a customer.

The pricing logic already exists in a third-party system. Instead of recreating this logic in Salesforce, it will be leveraged by making a request of the third-party system. The response, in this case the pricing, will be returned and stored back in Salesforce.

What is the optimal solution?

A. A Visualforce page that can make a real-time Apex callout to display and save the pricing back in Salesforce

B. An Apex trigger that upon saving the Order will make a real-time Apex callout, saving the pricing back in Salesforce

c. A Process Builder process and Outbound Message to fetch the pricing upon save and store the pricing in Salesforce

D. An ETL tool to process batches of newly saved Orders every few minutes to store the pricing back in Salesforce

54. A company uses an external system to manage its custom account territory assignments. Every quarter, millions of Accounts may be updated in Salesforce with new Owners when the territory assignments are completed in the external system.

What is the optimal way to update the Accounts from the external system?

A. Apex REST Web Service

B. Composite REST API

C. SOAP API

D. Bulk API

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

A. Supports complex server-side application logic

B. Does not require any JavaScript code

C Does not require any Apex code

D. Allows for specified re-render targets

56. 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.

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

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

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

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

58. Which two relationship queries use the proper syntax?

Choose 2 answers

A. SELECT Name, (SELECT LastName FROM Contacts__r) FROM Account

B. SELECT Name, (SELECT LastName FROM Contacts) FROM Account

C. SELECT Id, Name, Account __r.Name FROM Contact WHERE Account r.Industry = 'Media'

D. SELECT Id, Name, Account.Name FROM Contact WHERE Account.Industry = 'Media'

59. What are three benefits of using static resources in Visualforce and Lightning Components?

Choose 3 answers

A. Static resource files can be packaged into a collection of related files in a zip or jar archive.

B. Static resource files do not count against an organization's quota of data storage.

c. Static resource files are automatically minified.

D. Relative paths can be used in files in static resource archives to refer to other content within the archive.

E. Static resource files can be referenced by using the \$Resource global variable instead of hardcoded IDs.

60. A custom Visualforce controller calls the `ApexPages.addMessage()` method, but no messages are rendering on the page.

Which component should be added to the Visualforce page to display the message?

A. `<apex:message for="info"/>`

B. `<apex:facet name="messages" />`

C. `<apex:pageMessages />`

D. `<apex:pageMessage severity="info" />`

61. A developer is asked to build a solution that will automatically send an email to the Customer when an Opportunity stage changes. The solution must scale to allow for 10,000 emails per day. The criteria to send the email should be evaluated after all Workflow Rules have fired.

What is the optimal way to accomplish this?

A. Use a Workflow Email Alert.

B. Use a `MassEmailMessage()` with an Apex Trigger.

C. Use a `SingleEmailMessage()` with an Apex Trigger.

D. Use an Email Alert with Process Builder.

62. A company represents their customers as Accounts in Salesforce. All customers have a unique `Customer_Number__c` that is unique across all of the company's systems. They also have a custom `Invoice__c` object, with a Lookup to Account, to represent invoices that are sent out from their external system. This company wants to integrate invoice data back into Salesforce so Sales Reps can see when a customer is paying their bills on time.

What is the optimal way to implement this?

A. Use Salesforce Connect and external data objects to seamlessly import the invoice data into Salesforce without custom code.

B. Ensure Customer_Number__c is an External ID and that a custom field Invoice_Number__c is an External ID and Upsert invoice data nightly.

C. Create a cross-reference table in the custom invoicing system with the Salesforce Account ID of each Customer and insert invoice data nightly.

D. Query the Account Object upon each call to insert invoice data to fetch the Salesforce ID corresponding to the Customer Number on the invoice

63 .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, Request_Line_c> reqLines) {  
  
    Savepoint sp = Database.setSavepoint();  
  
    try {  
  
        insert reqs.values();  
  
        insert reqLines.values();  
  
        HttpResponse response = CalloutUtil.makeRestCallout (reqs.keySet(), reqLines.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. Change the CalloutUtil.makeRestCallout to an @InvocableMethod method.

B. Remove the Database.setSavepoint and Database.rollback.

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

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

64. Part of a custom Lightning Component displays the total number of Opportunities in the org, which is in the millions. The Lightning Component uses an Apex Controller to get the data it needs.

What is the optimal way for a developer to get the total number of Opportunities for the Lightning Component?

- A. SUM() SOQL aggregate query on the Opportunity object
- B. SOQL for loop that counts the number of Opportunities records
- C. COUNT() SOQL aggregate query on the Opportunity object**
- D. Apex Batch job that counts the number of Opportunity records

65. A company has a native iOS app for placing orders that needs to connect to Salesforce to retrieve consolidated information from many different objects in a JSON format.

Which is the optimal method to implement this in Salesforce?

- A. Apex SOAP Callout
- B. Apex REST Callout
- C. Apex SOAP Web Service
- D. Apex REST Web Service**