Question #1*Topic 1*

Which statement results in an Apex compiler error?

* A. Map<Id,Leas> lmap = new Map<Id,Lead>([Select ID from Lead Limit 8]);
* B. Date d1 = Date.Today(), d2 = Date.ValueOf('2018-01-01');
* C. Integer a=5, b=6, c, d = 7;
* D. List<string> s = List<string>{'a','b','c');

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What are two benefits of the Lightning Component framework? (Choose two.)

* A. It simplifies complexity when building pages, but not applications.
* B. It provides an event-driven architecture for better decoupling between components.
* C. It promotes faster development using out-of-box components that are suitable for desktop and mobile devices.
* D. It allows faster PDF generation with Lightning components.

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A method is passed a list of generic sObjects as a parameter.  
What should the developer do to determine which object type (Account, Lead, or Contact, for example) to cast each sObject?

* A. Use the first three characters of the sObject ID to determine the sObject type.
* B. Use the getSObjectType method on each generic sObject to retrieve the sObject token. **Most Voted**
* C. Use the getSObjectName method on the sObject class to get the sObject name.
* D. Use a try-catch construct to cast the sObject into one of the three sObject types.

What should a developer use to implement an automatic Approval Process submission for Cases?

* A. An Assignment Rule
* B. Scheduled Apex
* C. Process Builder
* D. A Workflow Rule

When viewing a Quote, the sales representative wants to easily see how many discounted items are included in the Quote Line Items.  
What should a developer do to meet this requirement?

* A. Create a trigger on the Quote object that queries the Quantity field on discounted Quote Line Items.
* B. Create a Workflow Rule on the Quote Line Item object that updates a field on the parent Quote when the item is discounted.
* C. Create a roll-up summary field on the Quote object that performs a SUM on the quote Line Item Quantity field, filtered for only discounted Quote Line Items.
* D. Create a formula field on the Quote object that performs a SUM on the Quote Line Item Quantity field, filtered for only discounted Quote Line Items.

A Developer wants to get access to the standard price book in the org while writing a test class that covers an OpportunityLineItem trigger.  
Which method allows access to the price book?

* A. Use Test.getStandardPricebookId() to get the standard price book ID. **Most Voted**
* B. Use @IsTest(SeeAllData=true) and delete the existing standard price book.
* C. Use Test.loadData() and a Static Resource to load a standard price book.
* D. Use @TestVisible to allow the test method to see the standard price book.

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Which two Apex data types can be used to reference a Salesforce record ID dynamically? (Choose two.)

* A. ENUM
* B. sObject **Most Voted**
* C. External ID
* D. String **Most Voted**

Where can a developer identify the time taken by each process in a transaction using Developer Console log inspector?

* A. Performance Tree tab under Stack Tree panel
* B. Execution Tree tab under Stack Tree panel
* C. Timeline tab under Execution Overview panel
* D. Save Order tab under Execution Overview panel

Which two platform features align to the Controller portion of MVC architecture? (Choose two.)

* A. Process Builder actions
* B. Workflow rules
* C. Standard objects
* D. Date fields

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A developer needs to test an Invoicing system integration. After reviewing the number of transactions required for the test, the developer estimates that the test data will total about 2 GB of data storage. Production data is not required for the integration testing.  
Which two environments meet the requirements for testing? (Choose two.)

* A. Developer Sandbox
* B. Full Sandbox **Most Voted**
* C. Developer Edition
* D. Partial Sandbox **Most Voted**
* E. Developer Pro Sandbox

A developer encounters APEX heap limit errors in a trigger.  
Which two methods should the developer use to avoid this error? (Choose two.)

* A. Use the transient keyword when declaring variables.
* B. Query and store fields from the related object in a collection when updating related objects.
* C. Remove or set collections to null after use. **Most Voted**
* D. Use SOQL for loops instead of assigning large queries results to a single collection and looping through the collection. **Most Voted**

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Which approach should be used to provide test data for a test class?

* A. Query for existing records in the database.
* B. Execute anonymous code blocks that create data.
* C. Use a test data factory class to create test data.
* D. Access data in @TestVisible class variables.

Which three options can be accomplished with formula fields? (Choose three.)

* A. Generate a link using the HYPERLINK function to a specific record.
* B. Display the previous value for a field using the PRIORVALUE function.
* C. Determine if a datetime field value has passed using the NOW function.
* D. Return and display a field value from another object using the VLOOKUP function.
* E. Determine which of three different images to display using the IF function.

What is a capability of the <ltng:require> tag that is used for loading external Javascript libraries in Lightning Component? (Choose three.)

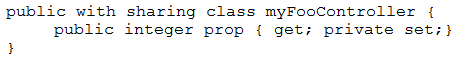
* A. Loading files from Documents.
* B. One-time loading for duplicate scripts.
* C. Specifying loading order.
* D. Loading scripts in parallel.
* E. Loading externally hosted scripts.

A Platform Developer needs to write an Apex method that will only perform an action if a record is assigned to a specific Record Type.  
Which two options allow the developer to dynamically determine the ID of the required Record Type by its name? (Choose two.)

* A. Make an outbound web services call to the SOAP API.
* B. Hardcode the ID as a constant in an Apex class.
* C. Use the getRecordTypeInfosByName() method in the DescribeSObjectResult class.
* D. Execute a SOQL query on the RecordType object.

A Platform Developer needs to write an Apex method that will only perform an action if a record is assigned to a specific Record Type.  
Which two options allow the developer to dynamically determine the ID of the required Record Type by its name? (Choose two.)

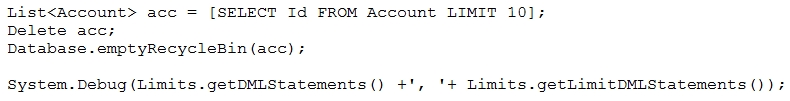
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A developer has the controller class below.  
  
Which code block will run successfully in an execute anonymous window?

* A. myFooController m = new myFooController(); System.assert(m.prop !=null);
* B. myFooController m = new myFooController(); System.assert(m.prop ==0);
* C. myFooController m = new myFooController(); System.assert(m.prop ==null);
* D. myFooController m = new myFooController(); System.assert(m.prop ==1);

In a single record, a user selects multiple values from a multi-select picklist.  
How are the selected values represented in Apex?

* A. As a List<String> with each value as an element in the list
* B. As a String with each value separated by a comma
* C. As a String with each value separated by a semicolon
* D. As a Set<String> with each value as an element in the set

A developer writes the following code:  
  
What is the result of the debug statement?

* A. 1, 100
* B. 1, 150
* C. 2, 150
* D. 2, 200

What are two valid options for iterating through each Account in the collection List<Account> named AccountList? (Choose two.)

* A. for (Account theAccount : AccountList) {ג€¦}
* B. for(AccountList) {ג€¦}
* C. for (List L : AccountList) {ג€¦}
* D. for (Integer i=0; i < AccountList.Size(); i++) {ג€¦}

Map<ID, Account> accountMap = new Map>ID, Account> ([SELECT Id, Name FROM Account]);  
What are three valid Apex loop structures for iterating through items in the collection? (Choose three.)

* A. for (ID accountID : accountMap.keySet()) {ג€¦} **Most Voted**
* B. for (Account accountRecord : accountMap.values()) {ג€¦} **Most Voted**
* C. for (Integer i=0; I < accountMap.size(); i++) {ג€¦} **Most Voted**
* D. for (ID accountID : accountMap) {ג€¦}
* E. for (Account accountRecord : accountMap.keySet()) {ג€¦}

Universal Containers wants Opportunities to be locked from editing when reaching the Closed/Won stage.  
Which two strategies should a developer use to accomplish this? (Choose two.)

* A. Use a Visual Workflow.
* B. Use a validation rule.
* C. Use the Process Automation Settings.
* D. Use a Trigger.

Which approach should be used to provide test data for a test class?

* A. Query for existing records in the database.
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* D. Access data in @TestVisible class variables.

Which approach should a developer take to automatically add a `Maintenance Plan` to each Opportunity that includes an `Annual Subscription` when an opportunity is closed?

* A. Build a OpportunityLineItem trigger that adds a PriceBookEntry record.
* B. Build an OpportunityLineItem trigger to add an OpportunityLineItem record.
* C. Build an Opportunity trigger that adds a PriceBookEntry record.
* D. Build an Opportunity trigger that adds an OpportunityLineItem record.

What is the requirement for a class to be used as a custom Visualforce controller?

* A. Any top-level Apex class that has a constructor that returns a PageReference
* B. Any top-level Apex class that extends a PageReference
* C. Any top-level Apex class that has a default, no-argument constructor **Most Voted**
* D. Any top-level Apex class that implements the controller interface

A Visualforce page is required for displaying and editing Case records that includes both standard and custom functionality defined in an Apex class called myControllerExtension.  
The Visualforce page should include which <apex:page> attribute(s) to correctly implement controller functionality?

* A. controller=ג€Caseג€ and extensions=ג€myControllerExtensionג€
* B. extensions=ג€myControllerExtensionג€
* C. controller=ג€myControllerExtensionג€
* D. standardController=ג€Caseג€ and extensions=ג€myControllerExtensionג€

A newly hired developer discovers that there are multiple triggers on the case object.  
What should the developer consider when working with triggers?

* A. Developers must dictate the order of trigger execution.
* B. Trigger execution order is based on creation date and time.
* C. Unit tests must specify the trigger being tested.
* D. Trigger execution order is not guaranteed for the same sObject.

How should a developer prevent a recursive trigger?

* A. Use a ג€one trigger per objectג€ pattern.
* B. Use a static Boolean variable.
* C. Use a trigger handler.
* D. Use a private Boolean variable.

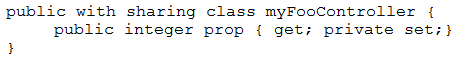
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* D. Use a Trigger.

How should a developer make sure that a child record on a custom object, with a lookup to the Account object, has the same sharing access as its associated account?

* A. Create a Sharing Rule comparing the custom object owner to the account owner.
* B. Create a validation rule on the custom object comparing the record owners on both records.
* C. Include the sharing related list on the custom object page layout.
* D. Ensure that the relationship between the objects is Master-Detail.

An org has a single account named `˜NoContacts' that has no related contacts. Given the query:  
List<Account> accounts = [Select ID, (Select ID, Name from Contacts) from Account where Name=`˜NoContacts'];  
What is the result of running this Apex?

* A. accounts[0].contacts is invalid Apex.
* B. accounts[0].contacts is an empty Apex.
* C. accounts[0].contacts is Null.
* D. A QueryException is thrown.

A platform developer at Universal Containers needs to create a custom button for the Account object that, when clicked, will perform a series of calculations and redirect the user to a custom Visualforce page.  
Which three attributes need to be defined with values in the <apex:page> tag to accomplish this? (Choose three.)

* A. action **Most Voted**
* B. renderAs
* C. standardController **Most Voted**
* D. readOnly
* E. extensions **Most Voted**

Using the Schema Builder, a developer tries to change the API name of a field that is referenced in an Apex test class.  
What is the end result?

* A. The API name is not changed and there are no other impacts. **Most Voted**
* B. The API name of the field and the reference in the test class is changed.
* C. The API name of the field is changed, and a warning is issued to update the class.
* D. The API name of the field and the reference in the test class is updated.

When is an Apex Trigger required instead of a Process Builder Process?

* A. When a record needs to be created
* B. When multiple records related to the triggering record need to be updated
* C. When a post to Chatter needs to be created
* D. When an action needs to be taken on a delete or undelete, or before a DML operation is executed.

A developer needs to join data received from an integration with an external system with parent records in Salesforce. The data set does not contain the  
Salesforce IDs of the parent records, but it does have a foreign key attribute that can be used to identify the parent.  
Which action will allow the developer to relate records in the data model without knowing the Salesforce ID?

* A. Create and populate a custom field on the parent object marked as Unique.
* B. Create a custom field on the child object of type External Relationship.
* C. Create and populate a custom field on the parent object marked as an External ID. **Most Voted**
* D. Create a custom field on the child object of type Foreign Key.

A developer created a Lightning component to display a short text summary for an object and wants to use it with multiple Apex classes.  
How should the developer design the Apex classes?

* A. Have each class define method getObject() that returns the sObject that is controlled by the Apex class.
* B. Extend each class from the same base class that has a method getTextSummary() that returns the summary.
* C. Have each class implement an interface that defines method getTextSummary() that returns the summary.
* D. Have each class define method getTextSummary() that returns the summary.

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* C. Have each class implement an interface that defines method getTextSummary() that returns the summary.
* D. Have each class define method getTextSummary() that returns the summary.

A developer is asked to create a PDF quote document formatted using the company's branding guidelines, and automatically save it to the Opportunity record.  
Which two ways should a developer create this functionality? (Choose two.)

* A. Install an application from the AppExchange to generate documents.
* B. Create a Visualforce page with custom styling.
* C. Create an email template and use it in Process Builder.
* D. Create a visual flow that implements the company's formatting.

Which tool allows a developer to send requests to the Salesforce REST APIs and view the responses?

* A. REST resource path URL
* B. Workbench REST Explorer
* C. Developer Console REST tab
* D. Force.com IDE REST Explorer tab

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What is a benefit of using an after insert trigger over using a before insert trigger?

* A. An after insert trigger allows a developer to bypass validation rules when updating fields on the new record.
* B. An after insert trigger allows a developer to insert other objects that reference the new record.
* C. An after insert trigger allows a developer to make a callout to an external service.
* D. An after insert trigger allows a developer to modify fields in the new record without a query.

The operation manager at a construction company uses a custom object called Machinery to manage the usage and maintenance of its cranes and other machinery. The manager wants to be able to assign machinery to different constructions jobs, and track the dates and costs associated with each job. More than one piece of machinery can be assigned to one construction job.  
What should a developer do to meet these requirements?

* A. Create a lookup field on the Construction Job object to the Machinery object.
* B. Create a lookup field on the Machinery object to the Construction Job object.
* C. Create a junction object with Master-Detail Relationship to both the Machinery object and the Construction Job object. **Most Voted**
* D. Create a Master-Detail Lookup on the Machinery object to the Construction Job object.

Which two strategies should a developer use to avoid hitting governor limits when developing in a multi-tenant environment? (Choose two.)

* A. Use collections to store all fields from a related object and not just minimally required fields.
* B. Use methods from the ג€Limitsג€ class to monitor governor limits.
* C. Use SOQL for loops to iterate data retrieved from queries that return a high number of rows.
* D. Use variables within Apex classes to store large amounts of data.

Which set of roll-up types are available when creating a roll-up summary field?

* A. COUNT, SUM, MIN, MAX
* B. AVERAGE, SUM, MIN, MAX
* C. SUM, MIN, MAX
* D. AVRAGE, COUNT, SUM, MIN, MAX

Which three options allow a developer to use custom styling in a Visualforce page? (Choose three.)

* A. <apex:stylesheet> tag
* B. Inline CSS
* C. <apex:style>tag
* D. <apex:stylesheets>tag
* E. A static resource

A developer wrote a unit test to confirm that a custom exception works properly in a custom controller, but the test failed due to an exception being thrown.  
Which step should the developer take to resolve the issue and properly test the exception?

* A. Use try/catch within the unit test to catch the exception.
* B. Use the finally bloc within the unit test to populate the exception.
* C. Use the database methods with all or none set to FALSE.
* D. Use Test.isRunningTest() within the custom controller.

Which SOQL query successfully returns the Accounts grouped by name?

* A. SELECT Type, Max(CreatedDate) FROM Account GROUP BY Name
* B. SELECT Name, Max(CreatedDate) FROM Account GROUP BY Name
* C. SELECT Id, Type, Max(CreatedDate) FROM Account GROUP BY Name
* D. SELECT Type, Name, Max(CreatedDate) FROM Account GROUP BY Name LIMIT 5

For which three items can a trace flag be configured? (Choose three.)

* A. Apex Trigger
* B. Apex Class
* C. Process Builder
* D. User
* E. Visualforce

A developer is asked to create a custom Visualforce page that will be used as a dashboard component.  
Which three are valid controller options for this page? (Choose three.)

* A. Use a standard controller.
* B. Use a standard controller with extensions.
* C. Use a custom controller with extensions. **Most Voted**
* D. Do not specify a controller. **Most Voted**
* E. Use a custom controller. **Most Voted**

A Platform Developer needs to implement a declarative solution that will display the most recent Closed Won date for all Opportunity records associated with an  
Account.  
Which field is required to achieve this declaratively?

* A. Roll-up summary field on the Opportunity object
* B. Cross-object formula field on the Opportunity object
* C. Roll-up summary field on the Account object
* D. Cross-object formula field on the Account object

Which three statements are true regarding the @isTest annotation? (Choose three.)

* A. A method annotated @isTest(SeeAllData=true) in a class annotated @isTest(SeeAllData=false) has access to all org data. **Most Voted**
* B. A method annotated @isTest(SeeAllData=false) in a class annotated @isTest(SeeAllData=true) has access to all org data. **Most Voted**
* C. A class containing test methods counts toward the Apex code limit regardless of any @isTest annotation.
* D. Products and Pricebooks are visible in a test even if a class is annotated @isTest(SeeAllData=false).
* E. Profiles are visible in a test even if a class is annotated @isTest(SeeAllData=false). **Most Voted**

What is the data type returned by the following SOSL search?  
[FIND `˜Acme\*' IN NAME FIELDS RETURNING Account, Opportunity];

* A. List<List<Account>, List<Opportunity>>
* B. Map<sObject, sObject>
* C. List<List<sObject>>
* D. Map<Id, sObject>

A company wants to create an employee rating program that allows employees to rate each other. An employee's average rating must be displayed on the employee record. Employees must be able to create rating records, but are not allowed to create employee records.  
Which two actions should a developer take to accomplish this task? (Choose two.)

* A. Create a trigger on the Rating object that updates a fields on the Employee object. **Most Voted**
* B. Create a lookup relationship between the Rating and Employee object. **Most Voted**
* C. Create a roll-up summary field on the Employee and use AVG to calculate the average rating score.
* D. Create a master-detail relationship between the Rating and Employee objects.

Which two SOSL searches will return records matching search criteria contained in any of the searchable text fields on an object? (Choose two.)

* A. [FIND 'Acme\*' IN ANY FIELDS RETURNING Account, Opportunity];
* B. [FIND 'Acme\*' RETURNING Account, Opportunity];
* C. [FIND 'Acme\*' IN ALL FIELDS RETURNING Account, Opportunity];
* D. [FIND 'Acme\*' IN TEXT FIELDS RETURNING Account, Opportunity];

For which example task should a developer use a trigger rather than a workflow rule?

* A. To set the Name field of an expense report record to Expense and the Date when it is saved
* B. To send an email to a hiring manager when a candidate accepts a job offer
* C. To notify an external system that a record has been modified
* D. To set the primary Contact on an Account record when it is saved

Which feature should a developer use to update an inventory count on related Product records when the status of an Order is modified to indicate it is fulfilled?

* A. Process Builder process
* B. Lightning component
* C. Visualforce page
* D. Workflow rule

A developer has JavaScript code that needs to be called by controller functions in multiple Aura components by extending a new abstract component.  
Which resource in the abstract Aura component bundle allows the developer to achieve this?

* A. helper.js
* B. controller.js
* C. superRender.js
* D. renderer.js

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Which two components are available to deploy using the Metadata API? (Choose two.)

* A. Lead Conversion Settings
* B. Web-to-Case
* C. Web-to-Lead
* D. Case Settings

Which three statements are true regarding cross-object formulas? (Choose three.)

* A. Cross-object formulas can reference fields from objects that are up to 10 relationships away.
* B. Cross-object formulas can reference fields from master-detail or lookup relationships.
* C. Cross-object formulas can reference child fields to perform an average.
* D. Cross-object formulas can expose data the user does not have access to in a record.
* E. Cross-object formulas can be referenced in roll-up summary fields.

Which two statements are true about Apex code executed in Anonymous Blocks? (Choose two.)

* A. The code runs with the permissions of the user specified in the runAs() statement.
* B. The code runs with the permissions of the logged in user.
* C. The code runs in system mode having access to all objects and fields.
* D. All DML operations are automatically rolled back.
* E. Successful DML operations are automatically committed.

From which two locations can a developer determine the overall code coverage for a sandbox? (Choose two.)

* A. The Apex Test Execution page
* B. The Test Suite Run panel of the Developer Console
* C. The Apex classes setup page **Most Voted**
* D. The Tests tab of the Developer Console **Most Voted**

Which two practices should be used for processing records in a trigger? (Choose two.)

* A. Use a Map to reduce the number of SOQL calls.
* B. Use @future methods to handle DML operations.
* C. Use a Set to ensure unique values in a query filter.
* D. Use (callout=true) to update an external system.

Which two statements are acceptable for a developer to use inside procedural loops? (Choose two.)

* A. delete contactList;
* B. contactList.remove(i);
* C. Contact con = new Contact();
* D. Account a = [SELECT Id, Name FROM Account WHERE Id = :con.AccountId LIMIT 1];

What is the debug output of the following Apex code?  
Decimal theValue;  
System.debug(theValue);

* A. 0.0
* B. null
* C. Undefined
* D. 0

A developer needs to provide a way to mass edit, update, and delete records from a list view.  
In which two ways can this be accomplished? (Choose two.)

* A. Create a new Visualforce page and Apex Controller for the list view that provides mass edit, update, and delete functionality.
* B. Download a managed package from the AppExchange that provides customizable Enhanced List Views and buttons.
* C. Download an unmanaged package from the AppExchange that provides customizable mass edit, update, and delete functionality.
* D. Configure the user interface and enable both inline editing and enhanced lists.

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Which type of code represents the Model in the MVC architecture when using Apex and Visualforce pages?

* A. A Controller Extension method that saves a list of Account records
* B. Custom JavaScript that processes a list of Account records
* C. A list of Account records returned from a Controller Extension method
* D. A Controller Extension method that uses SOQL to query for a list of Account records

Requirements state that a child record is deleted when its parent is deleted, and a child can be moved to a different parent when necessary.  
Which type of relationship should be built between the parent and child objects in Schema builder to support these requirements?

* A. Master-Detail relationship
* B. Child relationship
* C. Lookup relationship from the parent to the child
* D. Lookup relationship from the child to the parent

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Which tag should a developer include when styling from external CSS is required in a Visualforce page?

* A. apex:includeStyles
* B. apex:includeScript
* C. apex:require
* D. apex:stylesheet

Managed Packages can be created in which type of org?

* A. Developer Sandbox
* B. Partial Copy Sandbox
* C. Unlimited Edition
* D. Developer Edition

A developer can use the debug log to see which three types of information? (Choose three.)

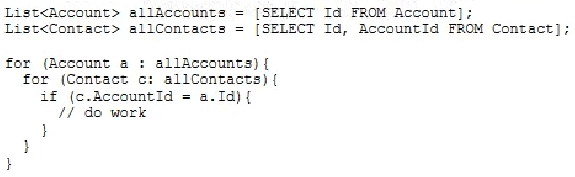
* A. HTTP callouts to external systems **Most Voted**
* B. Database changes **Most Voted**
* C. Resource usage and limits **Most Voted**
* D. User login events
* E. Actions triggered by time-based workflow

Which three data types can be returned from an SOQL statement? (Choose three.)

* A. Boolean
* B. List of sObjects
* C. Single sObject
* D. Integer
* E. String

The Review\_c object has a lookup relationship up to the Job\_Application\_c object. The Job\_Application\_c object has a master-detail relationship up to the  
Position\_c object. The relationship field names are based on the auto-populated defaults.  
What is the recommended way to display field data from the related Position\_c record on a Visualforce page for a single Review\_c record?

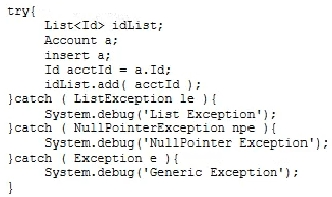
* A. Use the Standard Controller for Review\_c and cross-object Formula Fields on the Position\_c object to display Position\_c data.
* B. Use the Standard Controller for Job\_Application\_c and a Controller Extension to query for Position\_c data.
* C. Use the Standard Controller for Job\_Application\_c and cross-object Formula Fields on the Review\_c object to display Position\_c data.
* D. Use the Standard Controller for Review\_c and expression syntax in the Page to display related Position\_c data through the Job\_Application\_c object. **Most Voted**

Which action can a developer take to reduce the execution time of the following code?  


* A. Put the Account loop inside the Contact loop.
* B. Create an Apex helper class for SOQL.
* C. Add a GROUP BY clause to the Contact SOQL.
* D. Use a Map<Id List<Contact> for allContacts.

Given the code below, what can be done so that recordCount can be accessed by a test class, but not by a non-test class?  


* A. Change recordCount from private to public.
* B. Add the SeeAllData annotation to the test class.
* C. Add the TestVisible annotation to recordCount.
* D. Add the TestVisible annotation to the MyController class.

Which message is logged by the code below?  


* A. Generic Exception
* B. List Exception
* C. NullPointer Exception
* D. No message is logged.

Which governor limit applies to all the code in an Apex transaction?

* A. Elapsed SOQL query time
* B. Number of classes called
* C. Number of new records created
* D. Elapsed CPU time

An Apex transaction inserts 100 Account records and 2,000 Contact records before encountering a DML exception when attempting to insert 500 Opportunity records.  
The Account records are inserted by calling the database.insert() method with the allOrNone argument set to false. The Contact and Opportunity records are inserted using the standalone insert statement.  
How many total records will be committed to the database in this transaction?

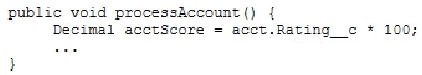
* A. 2,000
* B. 2,100
* C. 0 **Most Voted**
* D. 100

The sales team at Universal Containers would like to see a visual indicator appear on both Account and Opportunity page layouts to alert salespeople when an  
Account is late making payments or has entered the collections process.  
What can a developer implement to achieve this requirement without having to write custom code?

* A. Formula Field
* B. Workflow Rule
* C. Quick Action
* D. Roll-up Summary Field

Which is a valid Apex assignment?

* A. Integer x=5\*1.0;
* B. Integer x =5.0;
* C. Double x =5;
* D. Float x =5.0;

The Account object has a custom Percent field, Rating, defined with a length of 2 with 0 decimal places. An Account record has the value of 50% in its Rating field and is processed in the Apex code below after being retrieved from the database with SOQL.  
  
What is the value of acctScore after this code executes?

* A. 5
* B. 50
* C. 500
* D. 5000

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Which situation prevents a developer from setting sharing rules for a custom object?

* A. The object's Sharing Settings is set to Public Read/Write.
* B. The object is on the detail side of a Master-Detail relationship. **Most Voted**
* C. The developer is not a System Administrator.
* D. The object is referenced in an Owner field of a Master-Detail relationship.

A developer wants to store a description of a product that can be entered on separate lines by a user during product setup and later displayed on a Visualforce page for shoppers.  
Which field type should the developer choose to ensure that the description will be searchable in the custom Apex SOQL queries that are written?

* A. Text Area
* B. Text
* C. Text Area (Long)
* D. Text Area (Rich)

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Which field type should the developer choose to ensure that the description will be searchable in the custom Apex SOQL queries that are written?

* A. Text Area
* B. Text
* C. Text Area (Long)
* D. Text Area (Rich)

A developer wants multiple test classes to use the same set of test data.  
How should the developer create the test data?

* A. Reference a test utility class in each test class. **Most Voted**
* B. Define variables for test records in each test class.
* C. Create a Test Setup method for each test class.
* D. Use the SeeAllData=true annotation in each test class.

A developer wants to display all of the picklist entries for the Opportunity StageName field and all of the available record types for the Opportunity object on a  
Visualforce page.  
Which two actions should the developer perform to get the available picklist values and record types in the controller? (Choose two.)

* A. Use Schema.RecordTypeInfo returned by Opportunity.SObjectType.getDescribe().getRecordTypeInfos(). **Most Voted**
* B. Use Schema.PicklistEntry returned by Opportunity.SObjectType.getDescribe().getPicklistValues ().
* C. Use Schema.RecordTypeInfo returned by RecordType.SObjectType.getDescribe().getRecordTypeInfos().
* D. Use Schema.PicklistEntry returned by Opportunity.StageName.getDescribe().getPicklistValues (). **Most Voted**

In order to override a standard action with a Visualforce page, which attribute must be defined in the <apex:page> tag?

* A. pageReference
* B. override
* C. controller
* D. standardController

Which feature allows a developer to create test records for use in test classes?

* A. Documents
* B. WebServiceTests
* C. HttpCalloutMocks
* D. Static Resources **Most Voted**

How many levels of child records can be returned in a single SOQL query from one parent object?

* A. 1 **Most Voted**
* B. 3
* C. 5
* D. 7

A company has a custom object named Region. Each Account in Salesforce can only be related to one Region at a time, but this relationship is optional.  
Which type of relationship should a developer use to relate an Account to a Region?

* A. Parent-Child
* B. Hierarchical
* C. Lookup **Most Voted**
* D. Master-Detail

How can a developer get all of the available record types for the current user on the Case object?

* A. Use DescribeSObjectResult of the Case object. **Most Voted**
* B. Use SOQL to get all Cases.
* C. Use DescribeFieldResult of the Case.RecordType field.
* D. Use Case.getRecordTypes().

A developer needs to create an audit trail for records that are sent to the recycle bin.  
Which type of trigger is most appropriate to create?

* A. after delete **Most Voted**
* B. after undelete
* C. before undelete
* D. before delete

In which three areas can a Lightning component be used in the Lightning Experience? (Choose three.)

* A. Lightning Report page
* B. Lightning Connect page
* C. Lightning Record Page
* D. Lightning Community Page
* E. Lightning Home page

What is the impact of declaring an Apex class using the `without sharing` keywords?

* A. Only records owned by the current user can be updated.
* B. Sharing restrictions for the current user are bypassed.
* C. Records created by the class cannot have sharing rules.
* D. The class can only be used by users with developer rights.

Using DescribeSObjectResult, which Apex method can a developer use to determine if the current user can edit records for an object?

* A. canUpdate()
* B. canEdit()
* C. isUpdateable()
* D. isEditable()

A developer needs to include a Visualforce page in the detail section of a page layout for the Account object, but does not see the page as an available option in the Page Layout Editor.  
Which attribute must the developer include in the <apex:page> tag to ensure the Visualforce page can be embedded in a page layout?

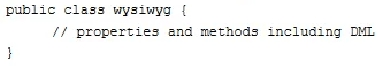
* A. standardController= ג€Accountג€

Candidates are reviewed by four separate reviewers and their comments and scores which range from 1 (lowest) to 5 (highest) are stored on a review record that is a detail record for a candidate.  
What is the best way to indicate that a combined review score of 15 or better is required to recommend that the candidate come in for an interview?

* A. Use a Validation Rule on a total score field on the candidate record that prevents a recommended field from being true if the total score is less than 15.
* B. Use a Rollup Summary field to calculate the sum of the review scores, and store this in a total score field on the candidate. **Most Voted**
* C. Use Visual Workflow to set a recommended field on the candidate whenever the cumulative review score is 15 or better.
* D. Use a Workflow Rule to calculate the sum of the review scores and send an email to the hiring manager when the total is 15 or better.

A developer needs to find information about @future methods that were invoked.  
From which system monitoring feature can the developer see this information?

* A. Scheduled Jobs
* B. Apex Jobs
* C. Background Jobs
* D. Asynchronous Jobs

A developer declared a class as follows.  
  
Which invocation of a class method will obey the organization-wide defaults and sharing settings for the running user in the Salesforce organization?

* A. An Apex trigger that invokes a helper method in this class
* B. A developer using the Developer Console that invokes a method in this class from the execute anonymous window
* C. A Visualforce page with an Apex controller that invokes a method in this class
* D. A user on an external system that has an API call into Salesforce that invokes a method in this class

When a Task is created for a Contact, how can a developer prevent the task from being included on the Activity Timeline of the Contact's Account record?

* A. In Activity Setting, uncheck Roll up activities to a contact's primary account.
* B. Create a Task trigger to set the Account field to NULL.
* C. Use Process Builder to create a process to set the Task Account field to blank.
* D. By default, tasks do not display on the Account Activity Timeline.

What is a benefit of using a trigger framework?

* A. Reduces trigger execution time
* B. Allows functional code to be tested by a test class
* C. Increases trigger governor limits
* D. Simplifies addition of context-specific logic

A developer needs to save a List of existing Account records named myAccounts to the database, but the records do not contain Salesforce Id values. Only the value of a custom text field configured as an External ID with an API name of Foreign\_Key\_\_c is known.  
Which two statements enable the developer to save the records to the database without an Id? (Choose two.)

* A. Upsert myAccounts Foreign\_Key\_\_c;
* B. Upsert myAccounts(Foreign\_Key\_\_c);
* C. Database.upsert (myAccounts, Foreign\_Key\_\_c);
* D. Database.upsert(myAccounts).Foreign\_Key\_\_c;

Which standard field is required when creating a new Contact record?

* A. LastName
* B. Name
* C. AccountId
* D. FirstName

An org has a data model with a Buyer\_\_c object that has a lookup relationship to Region\_\_c and a Supplier\_\_c object has a lookup relationship to Region\_\_\_c.  
How can a developer display data from the related Supplier\_\_c records on a Visualforce page that has a standard controller for the Buyer\_\_c object?

* A. Use rollup formula fields on the Buyer\_\_c object to reference the related Supplier\_\_c records through the Region\_\_c.

What can be used to delete components from production?

* A. A change set deployment with a destructiveChanges XML file
* B. A change set deployment with the delete option checked
* C. An ant migration tool deployment with a destructiveChanges XML file and an empty package.xml file **Most Voted**
* D. An ant migration tool deployment with a desctuctiveChanges XML file and the components to delete in the package.xml file

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What are three techniques that a developer can use to invoke an anonymous block of code? (Choose three.)

* A. Use the SOAP API to make a call to execute anonymous code.
* B. Create a Visualforce page that uses a controller class that is declared without sharing.
* C. Run code using the Anonymous Apex feature of the Developer's IDE.
* D. Type code into the Developer Console and execute it directly.
* E. Create and execute a test method that does not specify a runAs() call.

Which declarative process automation feature supports iterating over multiple records?

* A. Workflow rules
* B. Flows
* C. Validation rules
* D. Approval processes

An after trigger on the Account object performs a DML update operation on all of the child Opportunities of an Account. There are no active triggers on the  
Opportunity object, yet a `maximum trigger depth exceeded` error occurs in certain situations.  
Which two reasons possibly explain the Account trigger firing recursively? (Choose two.)

* A. Changes to Opportunities are causing cross-object workflow field updates to be made on the Account.
* B. Changes to Opportunities are causing roll-up summary fields to update on the Account.
* C. Changes are being made to the Account during an unrelated parallel save operation.
* D. Changes are being made to the Account during Criteria Based Sharing evaluation.

Which statement is true about developing in a multi-tenant environment?

* A. Apex Sharing controls access to records from multiple tenants on the same instance.
* B. Org-level data security controls which users can see data from multiple tenants on the same instance.
* C. Governor limits prevent Apex from impacting the performance of multiple tenants on the same instance.
* D. Global Apex classes can be referenced from multiple tenants on the same instance.

A developer needs an Apex method that can process Account or Contact records.  
Which method signature should the developer use?

* A. public void doWork(Account | | Contact)
* B. public void doWork(Record theRecord)
* C. public void doWork(Account Contact)
* D. public void doWork(sObject theRecord)

A developer needs to update an unrelated object when a record gets saved.  
Which two trigger types should the developer create? (Choose two.)

* A. after insert **Most Voted**
* B. before update
* C. before insert
* D. after update **Most Voted**

Which three statements are true regarding trace flags? (Choose three.)

* A. Setting trace flags automatically cause debug logs to be generated.
* B. Logging levels override trace flags.
* C. Trace flags override logging levels.
* D. If active trace flags are not set, Apex tests execute with default logging levels.
* E. Trace flags can be set in the Developer Console, Setup, or using the Tooling API.

Which two conditions cause workflow rules to fire? (Choose two.)

* A. An Apex Batch process that changes field values.
* B. Updating records using the bulk API
* C. Converting leads to person accounts
* D. Changing the territory assignments of accounts and opportunities

A developer has an integer variable called maxAttempts. The developer needs to ensure that once maxAttempts is initialized, it preserves its value for the length of the Apex transaction; while being able to share the variable's state between trigger executions.  
How should the developer declare maxAttempts to meet these requirements?

* A. Declare maxAttempts as a private static variable on a helper class.
* B. Declare maxAttempts as a variable on a helper class.
* C. Declare maxAttempts as a member variable on the trigger definition.
* D. Declare maxAttempts as a constant using the static and final keywords.

A developer wants to import 500 Opportunity records into a sandbox.  
Why should the developer choose to use Data Loader instead of Data Import Wizard?

* A. Data Loader runs from the developer's browser.
* B. Data Loader automatically relates Opportunities to Accounts.
* C. Data Import Wizard does not support Opportunities.
* D. Data Import Wizard can not import all 500 records.

Which Salesforce feature allows a developer to see when a user last logged in to Salesforce if real-time notification is not required?

* A. Event Monitoring Log
* B. Calendar Events
* C. Developer Log
* D. Asynchronous Data Capture Events

A developer must write an Apex method that will be called from a Lightning component. The method may delete an Account stored in the accountRec variable.  
Which method should a developer use to ensure only users that should be able to delete Accounts can successfully perform deletions?

* A. Schema.sObjectType.Account.isDeletable()
* B. Account.isDeletable()
* C. accountRec.isDeletable()
* D. accountRec.sObjectType.isDeletable()

Which three process automations can immediately send an email notification to the owner of an Opportunity when its Amount is changed to be greater than  
$10,000? (Choose three.)

* A. Process Builder **Most Voted**
* B. Escalation Rule
* C. Flow Builder **Most Voted**
* D. Approval Process
* E. Workflow Rule **Most Voted**

Application Events follow the traditional publish-subscribe model.  
Which method is used to fire an event?

* A. registerEvent()
* B. fireEvent()
* C. emit()
* D. fire()

Cloud Kicks Fitness, an ISV Salesforce partner, is developing a managed package application. One of the application modules allows the user to calculate body fat using the Apex class, BodyFat, and its method, calculateBodyFat(). The product owner wants to ensure this method is accessible by the consumer of the application when developing customizations outside the ISV's package namespace.  
Which approach should a developer take to ensure calculateBodyFat() is accessible outside the package namespace?

* A. Declare the class and method using the public access modifier.
* B. Declare the class as global and use the public access modifier on the method.
* C. Declare the class as public and use the global access modifier on the method.
* D. Declare the class and method using the global access modifier.

A developer has a Visualforce page and custom controller to save Account records. The developer wants to display any validation rule violations to the user.  
How can the developer make sure that validation rule violations are displayed?

* A. Add custom controller attributes to display the message.
* B. Use a try/catch with a custom exception class.
* C. Include <apex:messages> on the Visualforce page.
* D. Perform the DML using the Database.upsert() method.

What is a fundamental difference between a Master-Detail relationship and a Lookup relationship?

* A. In a Master-Detail relationship, when a record of a master object is deleted, the detail records are not deleted.
* B. In a Lookup relationship when the parent record is deleted, the child records are always deleted.
* C. A Master-Detail relationship detail record inherits the sharing and security of its master record.
* D. In a Lookup relationship, the field value is mandatory.

A Lightning component has a wired property, searchResults, that stores a list of Opportunities.  
Which definition of the Apex method, to which the searchResults property is wired, should be used?  
A.  
  
B.  
  
C.  
  
D.  


What are two ways for a developer to execute tests in an org? (Choose two.)

* A. Tooling API **Most Voted**
* B. Developer Console **Most Voted**
* C. Metadata API
* D. Bulk API

A developer identifies the following triggers on the Expense\_\_c object: deteleExpense, applyDefaultsToExpense, validateExpenseUpdate;  
The triggers process before delete, before insert, and before update events respectively.  
Which two techniques should the developer implement to ensure trigger best practices are followed? (Choose two.)

* A. Unify the before insert and before update triggers and use Process Builder for the delete action.
* B. Create helper classes to execute the appropriate logic when a record is saved.
* C. Maintain all three triggers on the Expense\_\_c object, but move the Apex logic out of the trigger definition.
* D. Unify all three triggers in a single trigger on the Expense\_\_c object that includes all events.

When using SalesforceDX, what does a developer need to enable to create and manage scratch orgs?

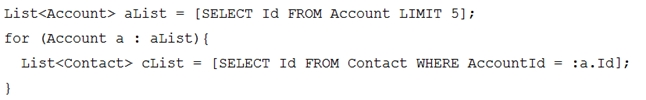
* A. Production
* B. Environment Hub
* C. Dev Hub
* D. Sandbox

In terms of the MVC paradigm, what are two advantages of implementing the view layer of a Salesforce application using Lightning Web Component-based development over Visualforce? (Choose two.)

* A. Self-contained and reusable units of an application
* B. Rich component ecosystem
* C. Server-side run-time debugging

Which two are best practices when it comes to component and application event handling? (Choose two.)

* A. Reuse the event logic in a component bundle, by putting the logic in the helper.
* B. Use component events to communicate actions that should be handled at the application level.
* C. Handle low-level events in the event handler and re-fire them as higher-level events.
* D. Try to use application events as opposed to component events.

What is the maximum number of SOQL queries used by the following code?  


* A. 1
* B. 5
* C. 6
* D. 2

Which three steps allow a custom SVG to be included in a Lightning web component? (Choose three.)

* A. Upload the SVG as a static resource.
* B. Reference the getter in the HTML template.
* C. Import the SVG as a content asset file.
* D. Import the static resource and provide a getter for it in JavaScript.
* E. Reference the import in the HTML template.

A developer must create a Lightning component that allows users to input Contact record information to create a Contact record, including a Salary\_\_c custom field.  
What should the developer use, along with a lightning-record-edit-form, so that Salary\_\_c field functions as a currency input and is only viewable and editable by users that have the correct field level permissions on Salary\_\_c?  
A.  
  
B.  
  
C.  
  
D.  


What is the order of operations when a record is saved in Salesforce?

* A. workflow, process flows, triggers, commit
* B. process flows, triggers, workflow, commit
* C. triggers, workflow, process flows, commit
* D. workflow, triggers, process flows, commit

Universal Containers (UC) decided it will not send emails to support personnel directly from Salesforce in the event that an unhandled exception occurs. Instead,  
UC wants an external system be notified of the error.  
What is the appropriate publish/subscribe logic to meet these requirements?

* A. Publish the error event using the addError() method and write a trigger to subscribe to the event and notify the external system.
* B. Publish the error event using the Eventbus.publish() method and have the external system subscribe to the event using CometD.
* C. Have the external system subscribe to the BatchApexError event, no publishing is necessary.
* D. Publish the error event using the addError() method and have the external system subscribe to the event using CometD.

A developer observes that an Apex test method fails in the Sandbox. To identify the issue, the developer copies the code inside the test method and executes it via the Execute Anonymous tool in the Developer Console. The code then executes with no exceptions or errors.  
Why did the test method fail in the sandbox and pass in the Developer Console?

* A. The test method has a syntax error in the code.
* B. The test method does not use System.runAs to execute as a specific user.
* C. The test method is calling an @future method.
* D. The test method relies on existing data in the sandbox.

The Job\_Application\_\_c custom object has a field that is a Master-Detail relationship to the Contact object, where the Contact object is the Master. As part of a feature implementation, a developer needs to retrieve a list containing all Contact records where the related Account Industry is `˜Technology' while also retrieving the contact's Job\_Application\_\_c records.  
Based on the object's relationships, what is the most efficient statement to retrieve the list of contacts?

* A. [SELECT Id, (SELECT Id FROM Job\_Applications\_r) FROM Contact WHERE Account.Industry = 'Technology']; **Most Voted**
* B. [SELECT Id, (SELECT Id FROM Job\_Applications\_r) FROM Contact WHERE Accounts.Industry = 'Technology'];
* C. [SELECT Id, (SELECT Id FROM Job\_Applications\_c) FROM Contact WHERE Accounts.Industry = 'Technology'];
* D. [SELECT Id, (SELECT Id FROM Job\_Application\_c) FROM Contact WHERE Account.Industry = 'Technology'];