



# **Salesforce**

## **Exam Questions CRT-450**

Salesforce Certified Platform Developer I (SU18)

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#### NEW QUESTION 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

**Answer: C**

#### NEW QUESTION 2

A lead object has a custom field Prior\_Email c. The following trigger is intended to copy the current Email into the Prior\_Email c field any time the Email field is changed:

```
trigger test on Lead (before update) {
    for(Lead ld: trigger.new)
    {
        if(ld.Email != trigger.oldMap.get (ld.Id).email)
        {
            ld.Prior_Email__c = trigger.oldMap.get(ld.Id).email;
            update ld;
        }
    }
}
```

Which type of exception will this trigger cause?

- A. A null reference exception
- B. A compile time exception
- C. A DML exception
- D. A limit exception when doing a bulk update

**Answer: C**

#### NEW QUESTION 3

A developer working on a time management application wants to make total hours for each timecard available to application users. A timecard entry has a Master-Detail relationship to a timecard.

Which approach should the developer use to accomplish this declaratively?

- A. A Visualforce page that calculates the total number of hours for a timecard and displays it on the page
- B. A Roll-Up Summary field on the Timecard Object that calculates the total hours from timecard entries for that timecard
- C. A Process Builder process that updates a field on the timecard when a timecard entry is created
- D. An Apex trigger that uses an Aggregate Query to calculate the hours for a given timecard and stores it in a custom field

**Answer: B**

#### NEW QUESTION 4

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 variable

**Answer: C**

#### NEW QUESTION 5

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
- D. Any top-level Apex class that implements the controller interface

**Answer: D**

#### NEW QUESTION 6

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.
- D. Create a custom field on the child object of type Foreign Key.

**Answer:** D

#### NEW QUESTION 7

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 recor

**Answer:** D

#### NEW QUESTION 8

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.
- 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 update

**Answer:** C

#### NEW QUESTION 9

Which two statements are true about using the @testSetup annotation in an Apex test class? (Choose two.)

- A. The @testSetup annotation cannot be used when the @isTest(SeeAllData=True) annotation is used.
- B. Test data is inserted once for all test methods in a class.
- C. Records created in the @testSetup method cannot be updates in individual test methods.
- D. The @testSetup method is automatically executed before each test method in the test class is execute

**Answer:** D

#### NEW QUESTION 10

A developer executes the following query in Apex to retrieve a list of contacts for each account:

```
List<account> accounts = [Select ID, Name, (Select ID, Name from Contacts) from Account] ;
```

Which two exceptions may occur when it executes? (Choose two.)

- A. CPU limit exception due to the complexity of the query.
- B. SOQL query row limit exception due to the number of contacts.
- C. SOQL query limit exception due to the number of contacts.
- D. SOQL query row limit exception due to the number of account

**Answer:** CD

#### NEW QUESTION 10

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.
- 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 type

**Answer:** B

#### NEW QUESTION 14

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.
- D. Use SOQL for loops instead of assigning large queries results to a single collection and looping through the collectio

**Answer:** AD

#### NEW QUESTION 17

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
- B. renderAs
- C. standardController

- D. readOnly
- E. extensions

**Answer:** ABC

#### NEW QUESTION 18

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 controlle

**Answer:** A

#### NEW QUESTION 23

A developer created a Visualforce page and a custom controller with methods to handle different buttons and events that can occur on the page. What should the developer do to deploy to production?

- A. Create a test class that provides coverage of the Visualforce page.
- B. Create a test page that provides coverage of the Visualforce page.
- C. Create a test page that provides coverage of the custom controller.
- D. Create a test class that provides coverage of the custom controlle

**Answer:** D

#### NEW QUESTION 24

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

**Answer:** C

#### NEW QUESTION 29

A developer is asked to set a picklist field to 'Monitor' on any new Leads owned by a subnet of Users. How should the developer implement this request?

- A. Create an after insert Lead trigger.
- B. Create a before insert Lead trigger.
- C. Create a Lead Workflow Rule Field Update.
- D. Create a Lead formula fiel

**Answer:** C

#### NEW QUESTION 30

What is a valid source and destination pair that can send or receive change sets? (Choose 2)

- A. Developer Edition to Sandbox
- B. Sandbox to Production
- C. Sandbox to Sandbox
- D. Developer Edition to Production

**Answer:** BC

#### NEW QUESTION 34

Which data type or collection of data types can SOQL statements populate or evaluate to? (Choose 3)

- A. A single sObject
- B. An integer
- C. A string
- D. A list of sObjects
- E. A Boolean

**Answer:** ABD

#### NEW QUESTION 39

What is the return data type when ApexPages.currentPage().getParameters() is used to retrieve URL parameters from a visualforce controller?

- A. Map
- B. List
- C. Enum
- D. String[]

**Answer:** A

#### NEW QUESTION 44

Before putting an app into production, which step should be taken?

- A. Run the production check feature via the web interface
- B. Switch to a production database
- C. Insure that you have installed a performance introspection add-on
- D. Scale your dynos

**Answer:** A

#### NEW QUESTION 49

What is a capability of cross-object formula fields? Choose 3 answers

- A. Formula fields can reference fields from master-detail or lookup parent relationships.
- B. Formula fields can expose data the user does not have access to in a record.
- C. Formula fields can be used in three roll-up summaries per object.
- D. Formula fields can reference fields in a collect of records from a child relationship.
- E. Formula fields can reference fields from objects that are up to 10 relationships away

**Answer:** ABE

#### NEW QUESTION 51

Where can debug log filter settings be set? Choose 2 answers

- A. The Filters link by the monitored user's name within the web UI.
- B. The Show More link on the debug log's record.
- C. On the monitored user's name.
- D. The Log Filters tab on a class or trigger detail page

**Answer:** AD

#### NEW QUESTION 54

In the code below, what type does Boolean inherit from? Boolean b= true;

- A. Enum
- B. Object
- C. String
- D. Class

**Answer:** B

#### NEW QUESTION 56

What is the accurate statement about with sharing keyword? choose 2 answers

- A. Inner class do not inherit the sharing setting from the container class
- B. Both inner and outer class can be declared as with sharing
- C. Either inner class or outer classes can be declared as with sharing but not both
- D. Inner class inherit the sharing setting from the container class

**Answer:** AB

#### NEW QUESTION 60

Which statement would a developer use when creating test data for products and pricebooks?

- A. Id pricebookId = Test.getStandardPricebookId();
- B. Pricebook pb = new Pricebook();
- C. IsTest(SeeAllData = false);
- D. List objList = Test.loadData(Account.sObjectType, 'myResource');

**Answer:** A

#### NEW QUESTION 65

A company wants a recruiting app that models candidates and interviews; displays the total number of interviews on each candidate record; and defines security on interview records that is independent from the security on candidate records. What would a developer do to accomplish this task? Choose 2 answers

- A. Create a roll -up summary field on the Candidate object that counts Interview records.
- B. Create a master -detail relationship between the Candidate and Interview objects.
- C. Create a lookup relationship between the Candidate and Interview objects.
- D. Create a trigger on the Interview object that updates a field on the Candidate object

**Answer:** CD

#### NEW QUESTION 69

A visualforce interface is created for Case Management 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. StandardController = "case" and extensions = " myControllerExtension"
- B. Extensions=" myControllerExtension"
- C. Controller=" myControllerExtension"
- D. Controller = "case" and extensions = " myControllerExtension"

**Answer:** A

#### NEW QUESTION 71

What actions types should be configured to display a custom success message?

- A. Update a record.
- B. Post a feed item.
- C. Delete a record.
- D. Close a cas

**Answer:** A

#### NEW QUESTION 76

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 String with each value separated by a comma
- B. As a Set with each value as an element in the set
- C. As a String with each value separated by a semicolon
- D. As a List with each value as an element in the list Previous

**Answer:** C

#### NEW QUESTION 79

What is a capability of the Developer Console?

- A. Execute Anonymous Apex code, Create/Edit code, view Debug Logs.
- B. Execute Anonymous Apex code, Run REST API, create/Edit code.
- C. Execute Anonymous Apex code, Create/Edit code, Deploy code changes.
- D. Execute Anonymous Apex code, Run REST API, deploy code change

**Answer:** A

#### NEW QUESTION 80

An org has different Apex Classes that provide Account -related functionality.After a new validation rule is added to the object, many of the test methods fail.What can be done to resolve the failures and reduce the number of code changes needed for future validation rules?Choose 2 answers:

- A. Create a method that creates valid Account records, and call this method from within test methods.
- B. Create a method that loads valid Account records from a Static Resource, and call this method within test methods.
- C. Create a method that performs a callout for a valid Account record, and call this method from within test methods.
- D. Create a method that queries for valid Account records, and call this method from within test method

**Answer:** AB

#### NEW QUESTION 85

Which two are true regarding a Dyno? Choose 2 answers

- A. Is a light weight VM used to run code on the Heroku Platform
- B. Has the ability to sleep as a standard and performance Dyno
- C. Is a lightweight Linux container used in a collection to run Heroku applications
- D. Has Ephemeral filesystems and is rebooted every 24 hour

**Answer:** CD

#### NEW QUESTION 90

What is a benefit of the lightning component framework?

- A. Better integration with Force.com sites
- B. Better performance for custom Salesforce1 Mobile Apps
- C. More Centralized control via server-side logic
- D. More pre-built components to replicate the salesforce look and feel

**Answer:** D

#### NEW QUESTION 93

A developer needs to confirm that an Account trigger is working correctly without changing the organization's data.What would the developer do to test the Account trigger?



- A. Use the Test menu on the developer Console to run all test classes for the account trigger.
- B. Use the New button on the Salesforce Accounts Tab to create a new Account record.
- C. Use the Open Execute Anonymous feature on the Developer Console to run an 'insert Account' DML statement.
- D. Use Deploy from the Force.com IDE to deploy an 'insert Account' Apex class

**Answer:** A

#### NEW QUESTION 94

A developer wrote a workflow email alert on case creation so that an email is sent to the case owner manager when a case is created. When will the email be sent?

- A. After Committing to database.
- B. Before Trigger execution.
- C. After Trigger execution.
- D. Before Committing to database

**Answer:** A

#### NEW QUESTION 97

A company that uses a Custom object to track candidates would like to send candidate information automatically to a third -party human resource system when a candidate is hired. What can a developer do to accomplish this task?

- A. Create an escalation rule to the hiring manager.
- B. Create an auto response rule to the candidate.
- C. Create a Process Builder with an outbound message action.
- D. Create a workflow rule with an outbound message action.

**Answer:** D

#### NEW QUESTION 102

What is a valid statement about Apex classes and interfaces? Choose 2 answers:

- A. The default modifier for a class is private.
- B. Exception classes must end with the word exception.
- C. A class can have multiple levels of inner classes.
- D. The default modifier for an interface is private

**Answer:** BD

#### NEW QUESTION 104

What are two testing considerations when deploying code from a sandbox to production? Choose 2 answers

- A. 75% of test must execute without failure
- B. 100% of test must execute without failure
- C. Apex code requires 75% coverage
- D. Apex code requires 100% coverage

**Answer:** BC

#### NEW QUESTION 105

What is the value of x after the code segment executes?

```
String x = 'A'; Integer i = 10; if ( i < 15 ) { i = 15; x = 'B'; } else if ( i < 20 ) { x = 'C'; } else { x = 'D'; }
```

- A. D
- B. A
- C. B
- D. C

**Answer:** C

#### NEW QUESTION 108

What is the easiest way to verify a user before showing them sensitive content?

- A. Sending the user a SMS message with a passcode.
- B. Calling the generateVerificationUrl method in apex.
- C. Sending the user an Email message with a passcode.
- D. Calling the Session.forcedLoginUrl method in apex

**Answer:** B

#### NEW QUESTION 113

Which type of code represents the Controller in MVC architecture on the Force.com platform? (Choose 2)

- A. JavaScript that is used to make a menu item display itself.
- B. A static resource that contains CSS and images.



- C. Custom Apex and JavaScript code that is used to manipulate data.
- D. StandardController system methods that are referenced by Visualforce

**Answer:** CD

#### NEW QUESTION 117

A developer is creating an application to track engines and their parts. An individual part can be used in different types of engines. What data model should be used to track the data and to prevent orphan records?

- A. Create a junction object to relate many engines to many parts through a master-detail relationship
- B. Create a lookup relationship to represent how each part relates to the parent engine object.
- C. Create a master-detail relationship to represent the one-to-many model of engines to parts.
- D. Create a junction object to relate many engines to many parts through a lookup relationship

**Answer:** A

#### NEW QUESTION 120

A developer wants to display all of the available record types for a Case object. The developer also wants to display the picklist values for the Case.Status field. The Case object and the Case.Status field are on a custom Visualforce page. Which action can the developer perform to get the record types and picklist values in the controller? (Choose 2)

- A. Use Schema.PicklistEntry returned by Case.Status.getDescribe().getPicklistValues().
- B. Use Schema.RecordTypeInfo returned by Case.sObjectType.getDescribe().getRecordTypeInfos().
- C. Use SOQL to query Case records in the org to get all the RecordType values available for Case.
- D. Use SOQL to query case records in the org to get all values for the Status picklist field

**Answer:** AB

#### NEW QUESTION 121

What is a benefit of the Lightning Component framework? Choose 3 answers

- A. It uses client-side Apex controllers for logic.
- B. It uses a traditional publish-subscribe model.
- C. It uses an event-driven architecture
- D. It uses an MVC architectural design pattern.
- E. It uses server-side JavaScript controller for logic.

**Answer:** BCD

#### NEW QUESTION 123

What must the Controller for a Visualforce page utilize to override the Standard Opportunity view button?

- A. The StandardSetController to support related lists for pagination.
- B. The Opportunity StandardController for pre-built functionality.
- C. A callback constructor to reference the StandardController.
- D. A constructor that initializes a private Opportunity variable

**Answer:** B

#### NEW QUESTION 126

A developer uses a before insert trigger on the Lead object to fetch the Territory c object, where the Territory c.PostalCode c matches the Lead.PostalCode. The code fails when the developer uses the Apex Data Loader to insert 10,000 Lead records. The developer has the following code block: Line-01: for (Lead l : Trigger.new){Line-02: if (l.PostalCode != null) {Line-03: List<Territory\_\_c> terrList = [SELECT Id FROM Territory c WHERE PostalCode c = :l.PostalCode];Line-04: if(terrList.size() > 0) Line-05: l.Territory c = terrList[0].Id; Line-06: }Line-07: }Which line of code is causing the code block to fail?

- A. Line-03: A SOQL query is located inside of the for loop code.
- B. Line-01: Trigger.new is not valid in a before insert Trigger.
- C. Line-02: A NullPointerException is thrown if PostalCode is null.
- D. Line-05: The Lead in a before insert trigger cannot be update

**Answer:** A

#### NEW QUESTION 127

A developer wants to display all of the available record types for a Case object. The developer also wants to display the picklist values for the Case.Status field. The Case object and the Case Status field are on a custom visualforce page. Which action can the developer perform to get the record types and picklist values in the controller? Choose 2 answers

- A. Use Schema.PicklistEntry returned by Case Status getDescribe().getPicklistValues().
- B. Use Schema.RecordTypeInfo returned by Case.SObjectType getDescribe().getRecordTypeInfos()
- C. Use SOQL to query Case records in the org to get all the RecordType values available for Case.
- D. Use SOQL to query Case records in the org to get all value for the Status picklist field

**Answer:** AB

#### NEW QUESTION 129

Which actions can a developer perform using the Schema Builder? Choose 2 answers

- A. Create a custom field and automatically add it to an existing page layout.
- B. Create a view containing only standard and system objects.
- C. Create a custom object and define a lookup relationship on that object
- D. Create a view of objects and relationships without fields

**Answer:** BC

#### NEW QUESTION 132

Which two queries can a developer use in a visualforce controller to protect against SOQL injection Vulnerabilities? Choose 2 answers

- A. String qryName = '%' + String.enforceSecurityChecks(name)+ '%'; String qryString = 'SELECT Id FROM Contact WHERE Name LIKE :qryName'; List queryResults = Database.query(qryString);
- B. String qryName = '%' + name '%'; String qryString = 'SELECT Id FROM Contact WHERE Name LIKE :qryName'; List queryResults = Database.query(qryString);
- C. String qryName = '%' + String.escapeSingleQuotes(name)+ '%'; String qryString = 'SELECT Id FROM Contact WHERE Name LIKE :qryName'; List queryResults = Database.query(qryString);
- D. String qryString = 'SELECT Id FROM Contact WHERE Name LIKE :qryName'; List queryResults = Database.query(qryString);

**Answer:** AD

#### NEW QUESTION 133

Which standard field needs to be populated when a developer inserts new Contact records programmatically?

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

**Answer:** C

#### NEW QUESTION 134

What can a Lightning Component contain in its resource bundle? Choose 2 answer

- A. Custom client side rendering behavior.
- B. Build scripts for minification
- C. Properties files with global settings
- D. CSS styles scoped to the component

**Answer:** AD

#### NEW QUESTION 138

Which option would a developer use to display the Accounts created in the current week and the number of related Contacts using a debug statement in Apex?

- A. For(Account acc: [SELECT Id, Name,(SELECT Id, Name FROM Contacts) FROM Account WHERE CreatedDate = THIS\_WEEK]) { List cons = acc.Contacts; System.debug(acc.Name + ' has ' + cons.size() + 'Contacts'; }
- B. For(Account acc: [SELECT Id, Name, (SELECT Id, Name FROM Contacts) FROM Account WHERE CreatedDate = CURRENT\_WEEK]){ List cons = acc.Contacts; System.debug(acc.Name + ' has ' + cons.size() + 'Contacts'); }
- C. For(Account acc:[SELECT Id, Name, Account.Contacts FROM Account WHERE CreatedDate = CURRENT\_WEEK]) { List cons = acc.Account.Contacts; System.debug(acc.Name + ' has ' + cons.size() + 'Contacts'); }
- D. For(Account acc: [SELECT Id, Name, Account.Contacts FROM Account WHERE CreatedDate = THIS\_WEEK]){ List cons = acc.Account.Contacts; System.debug(acc.Name + ' has ' + cons.size() + 'Contacts' }

**Answer:** A

#### NEW QUESTION 140

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