

# Salesforce Platform Developer III

1. Which statement results in an Apex compiler error?

A. `Map lmap = new Map([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 s = List{'a', 'b', 'c'};`

**Answer(s):** D

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2. 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.

**Answer(s):** B C

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3. 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 getObjectNames method on the sObject class to get the sObject names.

D. Use a try-catch construct to cast the sObject into one of the three sObject types.

**Answer(s): B**

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4. 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

**Answer(s): C**

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5. 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.

**Answer(s): C**

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6. While writing a test class that covers an OpportunityLineItem trigger, a Developer is unable to create a standard PriceBook since one already exists in the org.

How should the Developer overcome this problem?

A. Use `Test.getStandardPricebookId()` to get the standard PriceBook ID.

B. Use `@IsTest(SeeAllData=true)` and delete the existing standard PriceBook.

C. Use `Test.loadData()` and a Static Resource to load a standard Pricebook.

D. Use `@TestVisible` to allow the test method to see the standard PriceBook.

**Answer(s):** A

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

A. ENUM

B. sObject

C. External ID

D. String

**Answer(s):** A D

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8. 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(s): C**

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9. 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

**Answer(s): A B**

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10. 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

C. Developer Edition

D. Partial Sandbox

E. Developer Pro Sandbox

**Answer(s):** B D

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**11.** 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(s):** B

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**12.** 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 collection.

**Answer(s):** A D

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**13.** 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.

**Answer(s): C**

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**14.** 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.

**Answer(s): D**

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**15.** 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 updated in individual test methods.

D. The `@testSetup` method is automatically executed before each test method in the test class is executed.

**Answer(s): D**

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**16.** 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(s): D**

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**17.** 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 attribute(s) to correctly implement controller functionality?

A. controller="Case" and extensions="myControllerExtension"

B. extensions="myControllerExtension"

C. controller="myControllerExtension"

D. standardController="Case" and extensions="myControllerExtension"

**Answer(s): D**

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**18.** 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.

**Answer(s): D**

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19. How should a developer prevent a recursive trigger?

A. Use a "one trigger per object" pattern.

B. Use a static Boolean variable.

C. Use a trigger handler.

D. Use a private Boolean variable.

**Answer(s): D**

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20. 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.

**Answer(s): A C E**

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