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Plat-Dev-301
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Question: 1

```
public class searchFeature {
public static List<List<object>> searchRecords(string searchquery) {
return [FIND :searchquery IN ALL FIELDS RETURNING Account, Opportunity, Lead];
}
}
// Test Class
@isTest
private class searchFeature_Test {
@TestSetup
private static void makeData() {
//insert opportunities, accounts and lead
}
private static searchRecords_Test() {
List<List<object>> records = searchFeature.searchRecords('Test');
System.assertNotEquals(records.size(),0);
}
}
```

However, when the test runs, no data is returned and the assertion fails. Which edit should the developer make to ensure the test class runs successfully?

A. Enclose the method call within Test.startTest() and Test.stopTest().
B. Implement the seeAllData=true attribute in the @IsTest annotation.
C. Implement the without sharing keyword in the searchFeature Apex class.
D. Implement the setFixedSearchResults method in the test class.

Answer: D

Explanation:
When executing Salesforce Object Search Language (SOSL) queries within an Apex test context, the search engine does not actually search the database or the records created within the test setup by default. Instead, it returns an empty result set. This behavior ensures that tests run quickly and deterministically, without relying on the asynchronous indexing process of the full-text search engine.
To test code that utilizes SOSL, developers must define the expected search results explicitly using the Test.setFixedSearchResults(recordIds) method. This method accepts a list of Record IDs that the FIND clause should return. By implementing setFixedSearchResults in the test method before calling the searchFeature.searchRecords method, the SOSL query will return the specified test records, allowing the System.assertNotEquals assertion to pass. Options A (startTest/stopTest) helps with governor limits but does not fix SOSL results. Option B (SeeAllData) is generally discouraged and does not guarantee SOSL indexing availability. Option

C (without sharing) affects record visibility but does not force the search engine to return un-indexed test data.

Question: 2

A developer is asked to look into an issue where a scheduled Apex is running into DML limits. Upon investigation, the developer finds that the number of records processed by the scheduled Apex has recently increased to more than 10,000. What should the developer do to eliminate the limit exception error?

A. Implement the Batchable interface.
B. Use platform events.
C. Use the @future annotation.
D. Implement the Queueable interface.

Answer: A

Explanation:
The issue described involves hitting DML limits due to a high volume of records (over 10,000) being processed in a single transaction. In Salesforce, a single synchronous transaction or a standard Scheduled Apex job has strict governor limits on the number of DML statements (150) and the total number of records processed (10,000 for DML rows).
To resolve this, the developer should implement the Database.Batchable interface. Batch Apex is specifically designed to handle large data volumes by breaking the processing into smaller, manageable chunks (batches) of records (default 200). Each batch runs within its own transaction context, resetting the governor limits for that specific batch. This prevents the "Too many DML rows" exception. While Queueable (Option D) and @future (Option C) provide asynchronous processing, they are not inherently designed to iterate over large datasets in the same robust, governor-limit-safe manner as Batch Apex, particularly when the record count exceeds the thousands.

Question: 3

A Lightning web component exists in the system and displays information about the record in context as a modal. Salesforce administrators need to use this component within the Lightning App Builder. Which two settings should the developer configure within the xml resource file?

A. Set the 'IsVisible' attribute to 'true'.
B. Set the 'IsExposed' attribute to 'true'.
C. Specify the 'target' to be 'lightning__RecordPage'.
D. Specify the 'target' to be 'lightning__AppPage'.

Answer: B, C

Explanation:
To make a Lightning Web Component (LWC) available for use in the Lightning App Builder, the developer must modify the component's configuration file (the .js-meta.xml file).
First, the isExposed tag must be set to true. By default, this is false, meaning the component is only available to other components within the namespace but not to the App Builder or Experience Builder. Setting it to true exposes it to the tools.
Second, the developer must specify where the component can be dragged and dropped by defining targets. Since the question states the component displays information about the "record in context," it implies the component is designed to live on a Record Page. Therefore, adding <target>lightning__RecordPage</target> is essential. While lightning__AppPage (Option D) is a valid target, the context of "record in context" strongly points to the Record Page target.
There is no IsVisible attribute in the LWC configuration schema.

Question: 4

A Salesforce org has more than 50,000 contacts. A new business process requires a calculation that aggregates data from all of these contact records. This calculation needs to run once a day after business hours. Which two steps should a developer take to accomplish this?

A. Use the @future annotation.
B. Implement the Database.Batchable interface.
C. Implement the Schedulable interface.
D. Implement the Queueable interface.

Answer: B, C

Explanation:
This scenario presents two distinct requirements: processing a large volume of data (50,000 records) and running the process at a specific time (once a day after business hours).
Database.Batchable (Option B): Processing 50,000 records in a single synchronous transaction will exceed Apex Governor Limits (specifically the CPU time limit or the heap size limit). Batch Apex allows the system to process these records in smaller chunks (batches), ensuring that the calculation completes without hitting limits.
Schedulable (Option C): To ensure the job runs "once a day after business hours," the Schedulable interface is required. The developer allows the class to be scheduled via the Apex Scheduler or the UI.
The standard pattern for this use case is to create a class that implements Schedulable, and inside its execute method, instantiate and execute the Batch class (Database.executeBatch). This combines precise timing with bulk processing capabilities.

Question: 5

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 Apex code feature is required to facilitate this solution?

A. Dynamic SOQL
B. Metadata API
C. Streaming API
D. Variable binding

Answer: A

Explanation:
The requirement is to allow users to select which fields they want to filter by at runtime. In standard (static) SOQL, the fields in the WHERE clause must be defined at compile time (e.g., WHERE Name = :val). Because the fields themselves are not known until the user interacts with the page, the developer cannot write a static query.
Dynamic SOQL is the required feature. It allows the developer to construct the SOQL query string as a text string at runtime, incorporating the specific field names selected by the user, and then execute that string using Database.query(queryString). This provides the flexibility to build queries on the fly based on user input. Metadata API is for configuration changes, Streaming API is for push notifications, and Variable binding (:var) is used in both static and dynamic SOQL but does not solve the issue of changing the field names themselves.

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