**Question 1**

(True or False) SharedPreferences objects can be used to store information other than user-customizable settings.

True.

False.

**Question 2**

In the DataManagementPreferenceFragment application, Android invokes a method when the user changes the username preference. The code in this method then updates the display with the new username. What method does Android call?

Answer for Question 2



**Question 3**

In the DataManagementFileInternalMemory application, which method was called to open the file from which the application reads the text to display? Give your answer in the form "ClassName.MethodName".

Answer for Question 3



**Question 4**

If your application wants to write to external memory, it should determine whether that external storage is available by calling the Environment.getExternalStorageState() method. What constant value will this method return if external storage is mounted and available for writing?

Answer for Question 4



**Question 5**

The DataManagementSQL example application called the delete(String table, String whereClause, String[] whereArgs) method. This method takes 3 parameters. Which one of the following statements correctly describes the purpose of the 2nd parameter? See http://developer.android.com/reference/android/database/sqlite/SQLiteDatabase.html for more documentation.

It gives the location of the database.

It provides specific values for parameters to an SQL WHERE clause.

It names the specific database table from where to extract data.

It helps to determine which rows to extract from the database.

**Question 6**

A "content:" schemed URI is a URI that identifies a data set managed by a ContentProvider. Content URIs include an authority section. What is the meaning of this section?

It identifies a specific record within the ContentProvider.

It identifies the network address of the server hosting the ContentProvider.

It specifies a symbolic name for the ContentProvider.

It specifies an access permission.

**Question 7**

The CursorAdapter used in the ContentProviderWithCursorAdapter application defines a newView() method and a bindView() method. In practice, bindView() may be called more times than the newView() method. Why? For more information see: http://developer.android.com/reference/android/widget/CursorAdapter.html#getView(int, android.view.View, android.view.ViewGroup)

Because bindView() is called twice for every call to newView().

Because bindView() caches old results.

Because newView() will not be invoked when the layout is defined using an XML layout file.

Because if a View already exists, the CursorAdapter can reuse it in bindView().

**Question 8**

Why did the ContentProviderWithCursorLoader pass an empty cursor to a list adapter in the ContactsListExample.onCreate() method?

All applications initially create empty adapters.

The onCreate() method does not create an empty adapter.

This application uses a CursorLoader to load it's data. In onCreate() it has no data to display.

This application has no data to display.

**Question 9**

The ContentProviderCustomUser application uses a variable of the ContentValues type when it inserts records into a ContentProvider. Which of the following statements explain how individual database columns are identified within the ContentValues object?

ContentValues don't correspond to database columns.

ContentValues has methods for adding key/value pairs.

Columns are specified with Intent extras.

The key names passed to a ContentValues object correspond to columns defined in the ContentProvider.

**Question 10**

(True or False) ContentProviders must be implemented as SQLite databases.

True.

False.

**Question 11**

(True or False) The Service class provides a user interface.

True.

False.

**Question 12**

When is the ServiceConnection.onServiceConnected() method called?

After a component calls Context.startService().

When a Service calls Context.startActivity(), thus starting up a client Activity.

After a component calls Context.bindService()

After a BroadcastReceiver receives an Intent sent by a Service.

**Question 13**

The Service.stopSelf(int startid) method takes an integer parameter. What is that integer parameter used for?

It indicates a delay in milliseconds before the Service is shut down.

It is used to stop the Service if the Service is running in a process id with process id (PID) equal to startId.

If the last time the Service was started it was started with the id, startId, then stopSelf() terminates the Service.

If the startid is non-zero (true), then unconditionally, stop the Service.

**Question 14**

(True or False) The Messenger class can deliver Messages across process boundaries.

True.

False.

**Question 15**

The Android development team urges developers to use the Messenger class, rather than using AIDL, for communicating between client components and Services. When would using Messengers not be sufficient?

When the Service runs in the main thread of its application.

When the Service is running on a pre-Anrdoid 2.3 device.

When the Service is running in a different process than the client component.

When the Service must be accessed concurrently by multiple client components.