Question 1 (1 point)
Which of the following Java data types does SQLite support?
Question 1 options:

1) Date
2) String
3) Boolean
4) all of the above

Question 2 (1 point)
SQLite is _____-typed, meaning a column in a SQLite database does not reject a value of an incorrect data type.
Question 2 options:

1) arche
2) strongly
3) stereo
4) weakly

Question 3 (1 point)
To work with a database that's on your computer (not on a device or emulator), you can use a tool like the
Question 3 options:

1) Task table
2) DB Browser for SQLite

3) SQLiteOpenHelper

4) Notepad++

Question 4 (1 point)
To test a service, it's common to use the _____ class to print messages.
Question 4 options:

1) Printer

2) Service

3) Log

4) Object

Question 5 (1 point)
To display or remove a notification, you can use a/an _____ object.
Question 5 options:

1) NotificationManager

2) Task

3) TaskManager

4) Notification

Question 6 (1 point)

Which method of the SQLiteDatabase class can you use to add a row to a table?

Question 6 options:

1) add

2) update

3) put

4) insert

Question 7 (1 point)

Which methods are called for a bound service?

Question 7 options:

1) onCreate(), onStartCommand(), onDestroy()

2) onCreate(), onBind(), onUnbind()

3) onStartCommand(), onBind(), onStopCommand()

4) onStart(), onStop()

Question 8 (1 point)

SQLite is an embedded database. This means that it

Question 8 options:

1) runs in a server process that's accessed by client apps

2) implements most of the SQL standard

3) is a relational database management system

4) runs in the same process as the client app

Question 9 (1 point)

If you want to execute a task in the background once every hour, even if the app is no longer running, you can use _____ to start a timer that runs the task.

Question 9 options:

1) the application object

2) an activity

3) a service

4) a notification

Question 10 (1 point)

Given a SQLiteDatabase object named db and a string that contains a valid CREATE TABLE statement, what does the following code do?

db.execSQL("CREATE TABLE IF NOT EXISTS Students (Name VARCHAR, Program VARCHAR)");

Question 10 options:

1) creates the specified table

2) inserts a row into the specified table

3) gets all rows from the specified table

4) drops the specified table

Question 11 (1 point)
When it's first displayed, a notification appears as an icon in the _____ at the top of the screen.
Question 11 options:

1) back stack
2) toast area
3) task history
4) notification area

Question 12 (1 point)
What is FALSE about a started service
Question 12 options:

1) it is never stopped
2) does not interact with other components such as activities
3) runs until it's stopped by another component
4) runs until it's stopped by itself

Question 13 (1 point)
Given a SQLiteDatabase object named db and a variable named taskID that contains a valid ID for a task, what does the following code do?

```
String where = "_id = ?";
String[] whereArgs = { Integer.toString(taskID) };
this.openReadableDB();
Cursor cursor = db.query("task", null, where, whereArgs, null, null, null);
```

Question 13 options:

1) gets a Cursor object that contains multiple rows from the task table that correspond with the specified task ID

2) gets a Cursor object that contains a single row from the task table that corresponds with the specified task ID

3) gets a Cursor object that contains multiple rows from the list table that correspond with the specified task ID

4) gets a Cursor object that contains a row from the list table that corresponds with the specified task ID

Question 14 (1 point)

A bound service

Question 14 options:

1) runs only as long as another component is bound to it

2) does not interact with other components such as activities

3) runs until it's stopped by itself

4) can only be started by MainActivity

Question 15 (1 point)

If you want to highlight which item in a navigation drawer is selected by default, add the menu items to a group and set the group's checkableBehavior attribute to _____.

Question 15 options:

1) checked

2) isActive

3) isHighlighted

4) single

Question 16 (1 point)
You can create a simple started service by extending the _____ class, overriding the onHandleIntent() method and adding a public constructor.
Question 16 options:

1) BoundService
2) AsyncService
3) IntentService
4) Service

Question 17 (1 point)
Both the getWriteableDatabase() and getReadableDatabase() methods return a _____ object when working with SQLite.
Question 17 options:

1) Cursor
2) SimpleCursorAdapter
3) SQLiteOpenHelper
4) SQLiteDatabase

Question 18 (1 point)
A service
Question 18 options:

1) runs in the background*
2) includes a user interface

3) stops if the user switches to another app

4) runs in the foreground and background

Question 19 (1 point)
A/an _____ provides a way for a service to display a message even when another app is running.
Question 19 options:

1) pending intent

2) back stack

3) array list

4) notification

Question 20 (1 point)
To check if a network connection is available to the device, you can use a/an _____ object.
Question 20 options:

1) Connectivity

2) ConnectivityManager

3) Notification

4) NotificationManager

Question 21 (1 point)
Which methods are called for an unbound service?
Question 21 options:

1) onCreate(), onStartCommand(), onDestroy()

2) onCreate(), onBind(), onUnbind()

3) onStartCommand(), onBind(), onStopCommand()

4) onStart(), onStop()

Question 22 (1 point)

A _____ service can run in the background indefinitely, even when the activity that started it is destroyed. Once the operation is done, it stops itself

Question 22 options:

1) bound

2) scheduled

3) started

4) async

Question 23 (1 point)

Given the following Intent object for a service, which of the following statements starts the service?

Intent serviceIntent = new Intent(this, WeatherService.class);

Question 23 options:

1) start(serviceIntent);

2) startActivity(serviceIntent);

3) startIntent(serviceIntent);

4) startService(serviceIntent);

Question 24 (1 point)

What kind of object can you use to check if GPS is enabled?

Question 24 options:

1) LocationManager

2) LocationRequest

3) LocationListener

4) LocationClient

Question 25 (1 point)

Assume you have the following constant value, a NotificationManager object named manager, and a Notification object named notification. Which of the following statements displays the notification?

final int NOTIFICATION_ID = 999;

Question 25 options:

1) notification.display(NOTIFICATION_ID, manager);

2) notification.show(NOTIFICATION_ID, manager);

3) manager.expand(NOTIFICATION_ID, notification);

4) manager.notify(NOTIFICATION_ID, notification);

Question 26 (1 point)
Use the _____ to coordinate animations between views.
Question 26 options:

1) constraint layout
2) coordinator layout
3) linear layout
4) grid layout

Question 28 (1 point)
What kind of object can you use to listen for location updates from Google Play services?
Question 28 options:

1) LocationManager
2) LocationRequest
3) LocationListener
4) LocationClient

Question 30 (1 point)
Assume you have the following constant value, a NotificationManager object named manager, and a Notification object named notification. Which of the following statements removes the notification?
final int NOTIFICATION_ID = 999;
Question 30 options:

1) manager.cancel(NOTIFICATION_ID);

2) notification.remove(NOTIFICATION_ID, manager);

3) notification.cancel(NOTIFICATION_ID);

4) manager.remove(notification);

Question 33 (1 point)

Which is true about using GPS to determine location?

Question 33 options:

1) it is the most accurate method

2) it works indoors

3) it consumes less battery power than other methods

4) it works everywhere

Question 40 (1 point)

Use a _____ if you want to provide the user with a large number of shortcuts, or group them into sections.

Question 40 options:

1) Liner Layout

2) Navigation drawer

3) App Bar

4) Toolbar

Question 42 (1 point)
You tell a view pager about its pages by implementing _____.
Question 42 options:

1) array adapter
2) cursor adapter
3) sync adapter
4) fragment pager adapter

Question 43 (1 point)
Within the class for an activity, you can use a/an _____ object to add one or more tabs.
Question 43 options:

1) TabManager
2) TabSpe
3) TabHost
4) TabService

Question 44 (1 point)
The TabManager class
Question 44 options:

1) is available as part of the Android API.
2) must have its library added to your project before you can use it.

3) only works with services

4) is a class associated with Google Maps

Question 45 (1 point)
If a device doesn't have a physical Menu button, a/an _____ is displayed on the right side of the action bar to display the options menu.
Question 45 options:

1) options menu

2) floating context menu

3) popup menu

4) action overflow icon

Question 46 (1 point)
An activity can include a/an _____ that includes one or more _____ .
Question 46 options:

1) menu item, options menus

2) options menu, menu items

3) popup menu, options menus

4) options menu, popup menus

Question 47 (1 point)
By default, if you specify an icon for an item, Android uses that icon in the _____, but it uses text for that item in the _____ .
Question 47 options:

1) options menu, action bar
2) popup menu, action bar
3) action bar, options menu
4) popup menu, options menu

Question 48 (1 point)
What directory is used to store the XML for a menu?
Question 48 options:

1) res\layout
2) res\menu
3) res\values
4) res\xml

Question 49 (1 point)
Which of the following menu item attributes displays the icon for the menu item in the action bar only when there's enough room in the action bar to fit the icon?
Question 49 options:

1) android:icon="ifRoom"

2) android:icon="showAsAction"

3) android:showAsAction="icon"

4) android:showAsAction="ifRoom"

Question 50 (1 point)
Which method do you typically override to handle the event that occurs when a user selects an item from the options menu?
Question 50 options:

1) onCreateOptionsMenu

2) onPrepareOptionsMenu

3) onOptionsItemSelected

4) onOptionsItemClick

Question 51 (1 point)
What does the following statement do?
startActivity(new Intent(getApplicationContext(), SettingsActivity.class));
Question 51 options:

1) It starts the activity that's defined by the class named SettingsActivity.

2) It starts the activity that's defined by the class named Intent.

3) It creates a menu item for the class named SettingsActivity.

4) This statement won't compile because it uses the wrong number of parameters.

Question 52 (1 point)
Navigate through a SQLite cursor using the _____ methods.
Question 52 options:

1) read*
2) next*
3) get*
4) moveTo*

Question 53 (1 point)
Use the fragment pager adapter's _____ method to tell the view pager how many pages it should have. Use its _____ method to tell it which fragment should appear on each page.
Question 53 options:

1) getPager(), getFragment()
2) getAdapter(), getFragment()
3) getCount(), getItem()
4) getLength(), getTotal()

Question 56 (1 point)
Name the class that manages the Fragments in an activity _____.
Question 56 options:

1) FragmentManager
2) ResourceManager

3) ViewManager

4) LayoutManager

Question 57 (1 point)
You can execute raw SQL statements against your SQLite database using the SQLiteDatabase _____ method.
Question 57 options:

1) insert()

2) update()

3) create()

4) execSQL()

Question 61 (1 point)
You can enable swipe navigation by using _____.
Question 61 options:

1) layout pager

2) toolbar pager

3) view pager

4) fragment pager

Question 62 (1 point)
Use a _____ to promote common or important use actions on the activity's main UI.
Question 62 options:

1) Buttons

2) Floating action button

3) Menu items

4) Action bar

Question 63 (1 point)

A/An _____ lets you display short messages that the user can interact with.

Question 63 options:

1) Toast

2) Dialog

3) Alert

4) Snackbar

Question 65 (1 point)

You create an SQLite helper by extending the SQLiteOpenHelper class and implementing _____ and _____ methods.

Question 65 options:

1) onStart(), onStop()

2) onCreate(), onUpgrade()

3) onCreate(), onDestroy()

4) onBegin(), onEnd()

Question 66 (1 point)
The _____ class gives you access to the SQLite database on your Android device.
Question 66 options:

1) SQLiteDatabase
2) SQLiteOpenHelper
3) Cursor
4) ContentValues

Question 67 (1 point)
A _____ lets you read from and write to the SQLite database on your device.
Question 67 options:

1) pointer
2) reference
3) recorder
4) cursor

Question 68 (1 point)
Use the _____ to populate a list view with the values returned by the SQLite cursor.
Question 68 options:

1) ArrayAdapter
2) SQLiteAdapter

3) SimpleCursorAdapter

4) DataAdapter

Question 69 (1 point)
When using the AsyncTask, the _____ method runs in the background thread.
Question 69 options:

1) onPreExecute()

2) doInBackground()

3) onProgressUpdate()

4) onPostExecute()

Question 70 (1 point)
A/An _____ is an application component that can perform tasks in the background and does not have a user interface.
Question 70 options:

1) Activity

2) Fragment

3) Service

4) Intent

Question 71 (1 point)
A/An _____ service is bound to another component such as an activity. This activity can interact with it and get results.
Question 71 options:

1) bound
2) started
3) scheduled
4) async

Question 72 (1 point)
You declare services in the AndroidManifest.xml file using the _____ XML element.
Question 72 options:

1) <application>
2) <activity>
3) <service>
4) <task>

Question 73 (1 point)
You create a bound service by extending the _____ class
Question 73 options:

1) IntentService
2) Service

3) TaskService

4) BoundService

Question 74 (1 point)
To get the current location of the device, you need to declare that the app requires _____ permission in AndroidManifest.xml.
Question 74 options:

1) ACCESS_WIFI

2) ACCESS_MOBILE

3) ACCESS_WIFI_LOCATION

4) ACCESS_FINE_LOCATION

Question 79 (1 point)
A toolbar can be imported into your activity's layout by using the _____ XML element.
Question 79 options:

1) <import>

2) <use>

3) <insert>

4) <include>

Question 80 (1 point)

The navigation drawer gets its options from the _____ resource file.

Question 80 options:

1) menu.xml

2) strings.xml

3) drawer.xml

4) navigation.xml