Question 1

Which of the following Java data types does SQLite support?

1) Date

**2) String**

3) Boolean

4) all of the above

Question 2

SQLite is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-typed, meaning a column in a SQLite database does not reject a value of an incorrect data type.

1) arche

2) strongly

3) stereo

**4) Weakly**

Question 3

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

1) Task table

**2) DB Browser for SQLite**

3) SQLiteOpenHelper

4) Notepad++

Question 4

To test a service, it's common to use the \_\_\_\_\_\_\_\_\_\_\_ class to print messages.

1) Printer

2) Service

**3) Log**

4) Object

Question 5

To display or remove a notification, you can use a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ object.

**1) NotificationManager**

2) Task

3) TaskManager

4) Notification

Question 6

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

1) add

2) update

3) put

**4) Insert**

Question 7

Which methods are called for a bound service?

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

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

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

4) onStart(), onStop()

Question 8

SQLite is an embedded database. This means that it

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

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.

1) the application object

2) an activity

**3) a service**

4) a notification

Question 10

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)");

**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

When it's first displayed, a notification appears as an icon in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at the top of the screen.

1) back stack

2) toast area

3) task history

**4) notification area**

Question 12

What is FALSE about a started service

**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

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);

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

A bound service

**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

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 \_\_\_\_\_\_\_\_\_\_\_\_.

1) checked

2) isActive

3) isHighlighted

**4) single**

Question 16

You can create a simple started service by extending the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ class, overriding the onHandleIntent() method and adding a public constructor.

1) BoundService

2) AsyncService

**3) IntentService**

4) Service

Question 17

Both the getWriteableDatabase() and getReadableDatabase() methods return a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ object when working with SQLite.

1) Cursor

2) SimpleCursorAdapter

3) SQLiteOpenHelper

**4) SQLiteDatabase**

Question 18

A service

**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

A/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ provides a way for a service to display a message even when another app is running.

1) pending intent

2) back stack

3) array list

**4) notification**

Question 20

To check if a network connection is available to the device, you can use a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ object.

1) Connectivity

**2) ConnectivityManager**

3) Notification

4) NotificationManager

Question 21

Which methods are called for an unbound service?

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

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

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

4) onStart(), onStop()

Question 22 **(Please Answer)**

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

1) bound

2) scheduled

**3) started**

4) async

Question 23

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

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

1) start(serviceIntent);

2) startActivity(serviceIntent);

3) startIntent(serviceIntent);

**4) startService(serviceIntent);**

Question 24

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

**1) LocationManager**

2) LocationRequest

3) LocationListener

4) LocationClient

Question 25

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;

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 **(Please Answer)**

Use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to coordinate animations between views.

1) constraint layout

**2) coordinator layout**

3) linear layout

4) grid layout

Question 27

You cannot use a device's \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to find a device's current location.

1) cell signal

2) Wi-Fi signal

3) GPS (Global Positioning System)

**4) Serial Number**

Question 28

What kind of object can you use to **listen for location updates** from Google Play services?

1) LocationManager

2) LocationRequest

**3) LocationListener**

4) LocationClient

Question 29

You cannot use a GoogleMap object to

**1) start an activity**

2) zoom in on a location

3) add one or more markers to a map

4) display a series of connected lines on a map

Question 30

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;

1) manager.cancel(NOTIFICATION\_ID);

2) notification.remove(NOTIFICATION\_ID, manager);

**3) notification.cancel(NOTIFICATION\_ID);**

4) manager.remove(notification);

Question 31

To display a map, you cannot

1) create an activity that extends the FragmentActivity class

**2) create an activity that extends the FragmentService class**

3) declare an instance variable for the GoogleMap object

4) add code to the onStart method of the activity to get the GoogleMap object

Question 32

Which is not a map type?

1) normal

2) hybrid

3) terrain

**4) high-view**

Question 33

Which is true about using GPS to determine location?

**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 34

Google Maps provide many features, excluding

1) traffic layers

2) street view

3) 3D buildings

**4) live satellite images**

Question 35

Which is not true about the open-source version of MapQuest?

1) it gives you more flexibility for choosing map system components

2) it's free even if your app generates more than 25,000 map requests per day

**3) it provides more features than Google Maps**

4) it allows you to use data from the OpenStreetMap project

Question 36

Which is false about using signals from the cell network or Wi-Fi hotspots to determine location?

1) consumes less battery power than GPS

2) works indoors and outdoors

**3) it works everywhere**

4) less accurate than GPS

Question 37

A/An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gives you access to Android's Location Services.

1) GoogleLocation

2) AndroidLocation

3) GoogleServices

**4) LocationManager**

Question 38 **(Please Answer)**

Which of the following is false about version 2 of the Google Maps Android API

1) it's got less features than version 1

**2) uses fragments to provide more flexibility for working with different screen sizes**

3) displays faster than version 1

4) uses less bandwidth than version 1

Question 39

What kind of object can you use to add one or more markers to a map?

1) LocationRequest

2) LocationListener

**3) GoogleMap**

4) LocationClient

Question 40 **(Please Answer)**

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

1) Liner Layout

**2) Navigation drawer**

3) App Bar

4) Toolbar

Question 41

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process of converting latitude/longitude coordinates to street addresses and back.

1) Stress testing

2) Localization

3) Distance Evaluation

**4) Geocoding**

Question 42 **(Please Answer)**

You tell a view pager about its pages by implementing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1) array adapter

2) cursor adapter

3) sync adapter

**4) fragment pager adapter**

Question 43

Within the class for an activity, you can use a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ object to add one or more tabs.

**1) TabManager**

2) TabSpec

3) TabHost

4) TabService

Question 44

The TabManager class

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 **(Please Answer)**

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.

1) options menu

2) floating context menu

3) popup menu

**4) action overflow icon**

Question 46 **(Please Answer)**

An activity can include a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that includes one or more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

1) menu item, options menus

**2) options menu, menu items**

3) popup menu, options menus

4) options menu, popup menus

Question 47

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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

1) options menu, action bar

2) popup menu, action bar

**3) action bar, options menu**

4) popup menu, options menu

Question 48

What directory is used to store the XML for a menu?

1) res\layout

**2) res\menu**

3) res\values

4) res\xml

Question 49

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?

1) android:icon="ifRoom"

2) android:icon="showAsAction"

3) android:showAsAction="icon"

**4) android:showAsAction="ifRoom"**

Question 50

Which method do you typically override to handle the event that occurs when a user selects an item from the options menu?

1) onCreateOptionsMenu

2) onPrepareOptionsMenu

**3) onOptionsItemSelected**

4) onOptionsItemClick

Question 51 **(Please Answer)**

What does the following statement do?

startActivity(new Intent(getApplicationContext(), SettingsActivity.class));

**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 **(Please Answer)**

Navigate through a SQLite cursor using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ methods.

1) read

2) next

3) get

**4) moveTo**

Question 53

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.

1) getPager(), getFragment()

2) getAdapter(), getFragment()

**3) getCount(), getItem()**

4) getLength(), getTotal()

Question 54

Android is based on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1) UNIX

**2) Linux**

3) Windows

4) FreeBSD

Question 55

The display text for an app is typically stored in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ file.

1) menu.xml

2) values.xml

**3) strings.xml**

4) resources.xml

Question 56

Name the class that manages the Fragments in an activity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**1) FragmentManager**

2) ResourceManager

3) ViewManager

4) LayoutManager

Question 57

You can execute raw SQL statements against your SQLite database using the SQLiteDatabase \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ method.

1) insert()

2) update()

3) create()

**4) execSQL()**

Question 58 **(Please Answer)**

A collection and a document in MongoDB is equivalent to which of the SQL concepts respectively?

**1) Table and Row**

2) Table and Column

3) Column and Row

4) Database and table

Question 59 **(Please Answer)**

The primary key of any MongoDB document is the \_\_\_\_ field.

1) id

**2) \_id**

3) pk

4) \_pk

Question 60

MongoDB data is stored as \_\_\_\_\_\_\_\_\_\_\_\_.

**1) BSON**

2) XML

3) Java Objects

4) CSV

Question 61 **(Please Answer)**

You can enable swipe navigation by using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1) layout pager

2) toolbar pager

**3) view pager**

4) fragment pager

Question 62 **(Please Answer)**

Use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to promote common or important use actions on the activity's main UI.

1) Buttons

**2) Floating action button**

3) Menu items

4) Action bar

Question 63

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

1) Toast

2) Dialog

3) Alert

**4) Snackbar**

Question 64

The easiest way to create a Google Maps application in Android Studio is to create an application based on the "Google Maps Activity" template. The google\_maps\_api.xml file provides you with a URL that helps you obtain a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_ from google.

**1) API\_KEY**

2) Map

3) Location

4) Connector

Question 65

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

1) onStart(), onStop()

**2) onCreate(), onUpgrade()**

3) onCreate(), onDestroy()

4) onBegin(), onEnd()

Question 66

The \_\_\_\_\_\_\_\_\_\_\_\_\_ class gives you access to the SQLite database on your Android device.

1) SQLiteDatabase

**2) SQLiteOpenHelper**

3) Cursor

4) ContentValues

Question 67

A \_\_\_\_\_\_\_\_\_\_\_\_\_ lets you read from and write to the SQLite database on your device.

1) pointer

2) reference

3) recorder

**4) cursor**

Question 68

Use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to populate a list view with the values returned by the SQLite cursor.

1) ArrayAdapter

2) SQLiteAdapter

**3) SimpleCursorAdapter**

4) DataAdapter

Question 69

When using the AsyncTask, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ method runs in the background thread.

1) onPreExecute()

**2) doInBackground()**

3) onProgressUpdate()

4) onPostExecute()

Question 70

A/An \_\_\_\_\_\_\_\_\_\_\_ is an application component that can perform tasks in the background and does not have a user interface.

1) Activity

2) Fragment

**3) Service**

4) Intent

Question 71

A/An \_\_\_\_\_\_\_\_\_\_\_\_\_\_ service is bound to another component such as an activity. This activity can interact with it and get results.

**1) bound**

2) started

3) scheduled

4) async

Question 72

You declare services in the AndroidManifest.xml file using the \_\_\_\_\_\_\_\_\_\_\_\_ XML element.

1) <application>

2) <activity>

**3) <service>**

4) <task>

Question 73

You create a bound service by extending the \_\_\_\_\_\_\_\_\_\_\_\_\_ class

1) IntentService

**2) Service**

3) TaskService

4) BoundService

Question 74

To get the current location of the device, you need to declare that the app requires \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ permission in AndroidManifest.xml.

1) ACCESS\_WIFI

2) ACCESS\_MOBILE

3) ACCESS\_WIFI\_LOCATION

**4) ACCESS\_FINE\_LOCATION**

Question 75

When using google maps in your Android application, the API\_KEY obtained from google is saved in the \_\_\_\_\_\_\_\_\_\_\_\_\_ file.

1) strings.xml

**2) AndroidManifest.xml**

3) activity\_main.xml

4) menu.xml

THIS IS IMPORTANT

\* app/src/debug/res/values/google\_maps\_api.xml: <string name="google\_maps\_key" templateMergeStrategy="preserve" translatable="false">YOUR\_KEY\_HERE</string>

Question 76

When you create a Google Maps application by using the Google Maps Activity template in Android Studio, the default location on the map happens to be:

**1) Sydney, Australia**

2) San Francisco, USA

3) Paris, France

4) Beijing, China

Question 77

You can programmatically add a Google Map to an activity by adding a MapFragment. Your activity, however, will need to implement the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ interface

1) OnMapAsync

2) OnZoom

3) OnMapFragment

**4) OnMapReadyCallback**

Question 78

When using Google Maps, a location is set by using the \_\_\_\_\_\_\_\_\_\_\_\_\_ object.

1) Address

2) Coordinate

**3) LatLng**

4) Satellite

Question 79

A toolbar can be imported into your activity's layout by using the \_\_\_\_\_\_\_\_\_\_\_\_ XML element.

1) <import>

2) <use>

3) <insert>

**4) <include>**

Question 80

The navigation drawer gets its options from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ resource file.

**1) menu.xml**

2) strings.xml

3) drawer.xml

4) navigation.xml