**Question 1**

When registering a Listener for SensorEvents, you can set the rate at which the Sensor returns its readings. Which of the following Sensor constants represents to the most frequent rate? See: http://developer.android.com/reference/android/hardware/SensorManager.html for more information.

SENSOR\_DELAY\_UI.

SENSOR\_DELAY\_FASTEST.

SENSOR\_DELAY\_NORMAL.

SENSOR\_DELAY\_GAME.

**Question 2**

SensorEvents have which of the following fields? See: http://developer.android.com/reference/android/hardware/SensorEvent.html for more documentation.

A sensor identifier.

Sensor-specific measurement values.

A timestamp.

A measurement accuracy.

**Question 3**

(True or False) High-pass filters are used when you want to emphasize the transient changes in a Sensor's readings, while deemphasizing the constant portions of the reading?

True.

False.

**Question 4**

Which of the following Sensor types did the SensorCompass application use?

TYPE\_PRESSURE.

TYPE\_MAGNETIC\_FIELD.

TYPE\_ACCELEROMETER.

TYPE\_LINEAR\_ACCELERATION.

**Question 5**

Which type of LocationProvider gets its readings from Global Positioning System satellites?

NETWORK\_PROVIDER.

PASSIVE\_PROVIDER.

GPS\_PROVIDER.

**Question 6**

Recently Android added an improved API for acquiring Location information via GooglePlayServices. I have created a new version of the LocationGetLocation application called LocationGetLocationServices. This application is in the source code repository for the class. Which LocationClient method is used in this new application to acquire the last known location reading?

Answer for Question 6



**Question 7**

Which class and method did the MapEarthQuakeMap application use in order to create a marker pin for each earthquake? Give your answer in the form "ClassName.MethodName".

Answer for Question 7



**Question 8**

With the Google Maps Android API, you can change a map's zoom level by calling methods of the CameraUpdate class, such as zoomTo(float). At what zoom level would the width of the earth be roughly 1024dp? See: https://developers.google.com/maps/documentation/android/views#zoom for more documentation.

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