1

1)

Activity is to be declared in the [manifest](http://developer.android.com/reference/android/Manifest.html) file. For example:

        <manifest></manifest>  
         <application></application>  
         <activity android:name='.MyTestActivity'></activity>

2)

Declare your application as “debuggable” in your Android Manifest. -Turn on “USB Debugging” on your device. -Set up your system to detect your device.

3)

View is Display System of Android where you define layout to put subclasses of View in it eg. Buttons, Images etc. But Activity is Screen System of Android where you put display as well as user-interaction,(or whatever which can be contained in full-screen Window.)

2

1. apk is **the file format used by the Android operating system, and a number of other Android-based operating systems for distribution and installation of mobile apps, mobile games and middleware**.

2)

1)*Simulation of validation of battery scenarios*:

Emulator Testing:-The emulator/simulators are not able to simulate the battery issues.

Real Device Testing:-Real world devices can easily perform the same.

2)*Simulating memory related issues*:

Emulator Testing:-The memory available at the emulator/simulator tends to be far more than the real devices so this may create misconception for the users who would be using the same validations.

Real Device Testing:-The memory storage level of the devices tend to be far less than the emulators.

3)*Validation of the performance:*

Emulator Testing:The performance of the emulator/simulator tends to be slower than the original devices at times.

Real Device Testing :- The original devices tend to perform faster than the emulator.

3)

[Intents](http://developer.android.com/reference/android/content/Intent.html) are created to define an action that we want to perform and the launches the appropriate activity from another application.

Intent intent = new Intent(Intent.ACTION\_SEND);  
        intent.putExtra(Intent.EXTRA\_EMAIL, recipientArray);  
        startActivity(intent);