

d) List all attributes to develop a simple button .

Ans:

To display a button in an activity, add a button to the activity's layout XML file:

```
<Button
    android:id="@+id/button_id"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:text="Submit" />
```

e) Write the syntax for Intent-Filter tag.

Ans:

Syntax for <intent-filter> tag:

```
<intent-filter android:icon="drawable resource"
    android:label="string resource"
    android:priority="integer" >
    ...
</intent-filter>
```

f) Define services in Android operating system.

Ans: Android service is a component that is used to perform operations on the background such as playing music, handling network transactions, interacting content providers etc. It doesn't have any UI (user interface). The service runs in the background indefinitely even if application is destroyed.

g) Enlist the steps to publish the Android application.

- Step 1: Sign up. Sign up for an account on the Android Developer Console.
- Step 2: Create a new application.
- Step 3: Prepare multimedia.
- Step 4: Prepare code for release.
- Step 5: Build a release-ready APK.
- Step 6: Upload APK.

Q.2) Attempt any THREE of the following.

(12 Marks)

a) Describe the Android architecture in detail.

Ans:

Android architecture is a software stack of components to support a mobile device needs. Android software stack contains a Linux Kernel, a collection of c/c++ libraries which is exposed through an application framework, services, runtime and application.

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SJ Ball



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