**Android Interview Question**

1. Android Boot Up Sequence?
2. Android architecture, where JNI is used in the architecture?
3. Android Treble architecture?
4. Android Components

* Activity.
* Service.
* Broadcast receiver.
* Content provider.

**ACTIVITY**

1. Scenario of activity lifecycle

* Explain activity lifecycle.
* When activity is launched from doesn’t exist to foreground.
* When activity A launches activity B.
* When activity B presses back button and go to activity A.
* When power button pressed.
* When activity is in foreground, dialog is launched after completing the background task. For example downloading the file.
* When you change the orientation of the phone.
* When you kill the application.

1. Purpose of onSaveInstanceState & onRestoreInstanceState?
2. Different ways of passing the data from one activity to another activity?

**INTENTS**

1. What is intent, Types of intent?
2. Significance of intent filter?

**FRAGMENTS**

1. What is a fragment & benefits of it?
2. Fragment Lifecycle?
3. Different ways of creating the fragments?
4. What are the new changes of creating the fragments in android API 28(Pie)?

**SERVICE**

1. What is service, Types of services, Lifecycle of service?
2. Service runs in which thread?
3. Difference between start service & intent service?
4. Explain Bound service with implementation?
5. Which is the base class of service?
6. Different between service & thread?
7. Difference between Service, Intent Service, AsyncTask & Threads?
8. Explain START\_STICKY, START\_NOT\_STICKY & START\_REDELIVER\_INTENT?
9. Can an Intent Service execute multiple tasks sequentially?
10. What is inter process communication IPC, How to IPC is implemented in android?
11. Explain AIDL?
12. Explain Looper, Handler & Message queue?
13. What are the limitations in service in android pie API 28?

**BROADCAST RECEIVER**

1. What is broadcast receiver, How to implement, Give few examples of System Broadcasts?
2. Broadcast receiver runs in which thread?
3. Different ways of registering broadcast receiver?
4. What happens if we call unregisterReceiver() method twice?
5. What happens if you don't call unregisterReceiver() method at all?
6. Can we have two broadcast receivers with same action in manifest?
7. What is the time duration for ANR not to come in broadcast receiver?
8. What is LocalBroadcastManager, when and how to use it. Explain the scenario.
9. How will you register and unregister the Broadcast, and in which particular lifecycle method you will register and unregister?
10. How will you be sure that your Broadcast is restricted to the other apps?

**CONTENT PROVIDER**

1. What is content provider? Why does Android System need Content Providers?
2. What are the operations supported by a Content Provider?
3. Develop one example for content provider?

**ASYNC TASK**

1. What happens to the AsyncTask when the Activity that’s executes it, changes the orientation?
2. How to create Async Task? What are override method are there async task?
3. Async task runs in which thread?

**SQLITE DB**

1. How to create sqlite DB in android? Develop on example for sqlite DB?

**GENERAL QUESTIONS**

1. What is difference between .jar file & .apk file?
2. What is ANR in android?
3. What is pending intent?