**LIFE CYCLE OF ANDROID**

**When the user starts android activity then the life-cycle of android begins which are describe as follows:**

1. **On Create():**
2. **On Start():**
3. **On Resume():**
4. **On Pause():**
5. **On Stop():**
6. **On Re-start():**
7. **On Destroy():**
8. **On Create():** *This method is invoked when the activity is created by the system. This method is called only once during the whole life cycle. In this method basic startup logic are performed.*
9. **On Start():** *This method call makes the activity visible to the user. In this stage app prepares the activity to enter into the foreground and makes interactive.Codes are initialize and maintains the user interface. Once this method call is finished then the activity enters into the resume stage and OnResume() method is called.*
10. ***On Resume():*** *In this stage the app interact with the user. The app stage in this stage until something change or event take place. For eg. user received the phone call, home button is pressed, if user uses other app etc. if the activity returns into this stage again then on resume() method is again called or invoked.*
11. ***On Pause():*** *This method is called if the user is leaving the activity or some event take place while using app. Activity remains in this stage until the activity is resumed once again or becomes invisible to the user. The memory is allocated for the activity*

*which helps to resume file from same state.*

***5. On Stop():*** *This method is called when the activity is no longer visible to the user. For eg when the activity is about to terminate,when the another activity cover the screen. No any memory are allocated for this stage which pushes app to the background and will not be visible to the user. If the activity goes on this stage then the app cannot be started from the same state where it was closed. The system will go to the On create stage if the activity goes to stop stage.*

*6.On Re-Start(): If the user wants to use or resume activity again then the Re-start() method is called which in turn called the On- start() mehod which will begins the activity from begining.*

*7. On Destroy(): This is the final call that the activity receives and called before the activity is terminated completely. This method is called when system is temporarily destroying the processes to save up the space ,the activity is completed,user end the app etc. the call to this method releases all the memory resources.*