Android 1 = partnership b/w google and some hardware company

Google provides Software/Os & that company provides Hardware for that OS.

SDK level / Android version

- Minor change = +0.1
- Major Change = +1
- Don't use capital letters in activity name or any resource
- Dependencies: Functionalities not available in libraries.
- If we use such service which is not added in our project our app will be crashed.
- Difference of dpi (Dot per Inch)& dip (device Independent Pixel): **DPI** Applications can use DPI to choose how large things should be drawn, but should not rely on it as an exact physical measurement of the display size. **DIP** it has the advantage of keeping graphics approximately the same physical size no matter what display an app is run on.
- Layout is inherited from viewGroup and viewGroup is inherited from View.
- Linear layout's rendering time is more than Relative Layout
- Linear layout's orientation is by default horizontal
- **Relative Layout**
    - View's adjustment w.r.t other View (Siblings) In this approach we use ID's of siblings
    - Keywords to remember
        - ✓ Android: layout_toRightOf / toEndOf
        - ✓ Android: layout_toLeftOf / toStartOf
        - ✓ Android: layout_below
        - ✓ Android: layout_above
    - View's adjustment w.r.t its Parent
    - Keywords to remember
        - ✓ Android: layout_alignParentLeft / alignParentStart
        - ✓ Android: layout_ alignParentRight / alignParentEnd
        - ✓ Android: layout_ alignParentTop
        - ✓ Android: layout_ alignParentBottom
        - ✓ Android: layout_ centerInParent
- Lollipop version don't support **start** and **end** keywords.
- Splash Activity : Full Screen logo ; can be used for promotion or for doing heavy timetaking processing behind that activity. (for hiding loading process)
- R.java is class and layouts , strings , colors , id's are its subclasses. (Id class contains only constants)
- If we call getIntent() in main activity it will return null.
- Never do any heavy operation in OnPause always do it in OnStop
- If we do the heavy operation in OnPause ; white blank screen will be shown for the long time to the user
- When we work in XML all views are saved as One single View in memory
- Sp file : key value storage; when we clear app data the file is also cleared
- Difference between apply & commit in shared prefrences (it was homework)
- Where the sp file is stored (it was also homework)