

Agenda

- History
- Versions
- Installation and setup
- Various folders and files in android project
- Gradle
- Hello world
- Android Architecture

Installation & Setup

- Use the installarion pdf file shared to you for android studio installation
- You can also use the studio zip file that is already downloaded on any machine
- Check which android version you are using
- Update the device to the latest Security Patch
- Turn on developers option
 - depending on the device(samsung,moto,nokia,realme,xiomi,...) the option will be available anywhere in the settings
- Check the cable it must support the file transfer

Creating Hello World Project

- click on create new project
- select for which device you want to create a project (Phone or Tablet)
- select EmptyViewsActivity and click on next
- Use proper name of the project
- use proper name for the package
- select the directory/workspace where you want to store the project
- select the language as java.
- select the proper min sdk for your application.
- click on finish
- wait till the gradle finishes its task.

Directory Structure of the Android Project

- 1.manifest
 - To have metadata of our application

- This consists of AndroidManifest.xml file which is responsible to communicate between our app and the android os.
- 2.java
 - To keep all the business logic (java code) this folder is used.
 - It is kept in the package that is created at the start of the project
 - Only java code is kept in .java files
- 3.res
 - 1. Drawable
 - It is used to store the images/logos used in our application
 - 2. Layout
 - It is used to create the UI of our application
 - 3. mipmap
 - It is used to have icon for our application
 - 4. values
 - It is used to keep constants that we can use across our application

Gradle

- It is a build automation tool
- we are going to use build.gradle(Module:app) file to add dependencies for our application