Section 1 - Github

GitHub is a Web-based Git repository hosting service. It offers all of the distributed revision control and source code management (SCM) functionality of Git as well as adding its own features. - Wikipedia

Preparing Jobs

- 1. Create An Github Account
- 2. Install Git Client on your PC
 GitHub Desktop for Mac and Widnows, or
 Git for Mac, Windows and Linux from
 https://git-scm.com/downloads

Generate SSH Keys

With ssh-keygen for Mac and Linux Users With Git Bash for Windows Users

Get Individual Guide from

https://help.github.com/articles/generating-ssh-keys/

Setting Up GitHub

Add Public Key to GitHub
Setup Git
Creating A Repository
Forking A Repository

Basic Git Commands

```
$ git init
$ git clone
$ git add {files}
$ git commit -m "Messages"
$ git push origin master
$ git remote add origin {Server}
```

More Git Commands - Branch

```
$ git checkout -b feature_x
$ git checkout master
$ git branch -d feature_x
$ git push origin {branch}
```

More Again – Update & Merge

```
$ git pull
$ git merge {branch}
$ git add {filename}
$ qit diff {source branch} {target branch}
$ git log
$ git diff {first file} {secend file}
More Guides:
http://rogerdudler.github.io/git-guide/
```

Section 2 – Android Demo

				APPLIC	CATIONS				
Home	Dialer		SMS/MMS	IM	Browser	Camera	Alarm		Calculator
Contacts	Voice Dial		Email	Calendar	Media Player	Photo Album	Clock		
			AF	PLICATION	FRAMEWOR	RK .			
Activity Manager		Window Manager		Content Providers		View System		Notification Manager	
Package Manager		Telephony Manager		Resource Manager		Location Manager			
			LIBRARIES				ANDF	ROID RU	NTIME
Surface Manager	Media Framework		SQLite	WebKit	Libc		Core Libraries		ries
OpenGLIES	Audio Manager		FreeType	SSL			Dalvik	Virtual N	Machine
	1.7		HARD	WARE ABS	TRACTION L	AYER			
Graphics	Audio		Camera	Bluetooth	GPS	Radio (RIL)		MiFi	
- 0				LINUX	KERNEL			1.0	
Display Driver		Camera Driver		Bluetooth Driver		Shared Memory Driver		Binder (IPC) Driver	
USB Driver		Keypad Driver		WiFi Driver		Audio Drivers		Power Management	

Benefits of Gradle

- Create multiple APKs for your app with different features using the same project
- Reuse code and resources
- Customize, configure, and extend the build process
- Customized integration with their own IDE Android Studio
- Single build tools to support multiple languages