

01 ----- GIT PART 2 -----

02

03 1. GitHub allows you to host your code repositories online. I'll set up everything for it in this video. I'll also cover remote depositories in general.

04

05 2. Remote repositories are normally read only, or read write only to those who are authorized

06

07 3. You either push or pull updates from these remote repositories.

08

09 4. To push your directory to GitHub -----

10

11 a. git init

12

13 b. git add . # Stages all new and modified files and directories

14

15 c. git commit -m 'Initial Project Version'

16

17 d. git remote add origin https://github.com/derekbanas/SimpleFragment.git

18

19 e. git push origin master

20

21 5. git remote -v # Lists all remotes and their URLs

22

23 6. git fetch origin # Gets data from the remote, but it doesn't merge changes with your work

24

25 7. git pull https://github.com/derekbanas/SimpleFragment.git

26

27 a. Pulls all changes and saves them to your directory

28

29 8. How to push changes to GitHub -----

30

31 a. I add .gitignore for Android on my local machine

32

33 b. In the terminal type

34

35 I. git add .gitignore # Stage .gitignore

36

37 II. git commit -m 'Added .gitignore for Android' # Commit

38

39 III. git push # Push the changes to GitHub

40

```
41 9. git remote rename origin sf # Renames remote to sf
42
43 10. Tagging -----
44
45 a. Tags are used to tag files at important points in history
46
47 b. git tag -a v0.1 -m 'version 0.1' # Creates an annotated tag
48
49 c. git tag # Shows all the tags
50
51 d. git show v0.1 # Shows details about the commit that was tagged
52
53 e. git tag v0.4-lw
54
55 I. Creates a lightweight tag on a commit that stores the hash for the commit
56
57 f. git tag -a v0.01 c930a8
58
59 I. You can tag commits after the event also. When you enter this command an editor opens for you to leave a
    comment. The final part is the hash for the commit you want to tag.
60
61 g. git push sf v0.1 # You can also push tags
62
63 I. The tag shows up under releases on GitHub
64
65 II. git push sf --tags # You can also push all tags at once
66
67 h. You can set aliases to save time
68
69 I. git config --global alias.co commit
70
71 II. Now you can type git co to commit
72
73 i. Clone a GitHub Repository
74
75 I. Go to the directory you want to use
76
77 II. git clone https://github.com/derekbanas/google-api-nodejs-client.git
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