***Git Tagging***

**IMPORTANT NOTES:**

1. Git doesn't like it when we **reuse** a tag.
2. “v1.2.3” is **not** a semantic version, abbreviating “version” as “v” is often seen with version control:

* *git tag v1.2.3 -m "Release version 1.2.3", in which case “v1.2.3” is a tag name and the semantic version is “1.2.3”*

1. Sometimes when trying to force-replace a tag, you end up stacking 2 tags in one commit. So, you must double check using **git log --oneline** and look for the excess tag to delete.

* *Display all commits with their tags:*

git log --oneline

* *Lightweight tagging:*

git tag v1.2.3

* *Annotated tagging (will open a text editor):*

git tag -a v1.2.3

[enter tag update text]

* *Show details of the tag:*

git show v1.2.3

* *Comparing tags:*

git diff v1.2.3 v1.2.0

* *Searching & displaying tags (that start contains ‘beta’):*

git tag -l "\*beta\*"

* *Force replacing tags:*

git tag v1.2.3 [COMMIT\_HASH] -f

* *Deleting tags:*

git tag -d v1.2.3

* *Single tag pushing:*

git push origin v1.2.3

* *Pushing all tags:*

git push origin --tags

**NOT TAG-RELATED:**

* *Pushing all branches:*

git push origin --all

* *Pushing all branches (alternative way):*

git push origin "\*:\*"

* *Push all remotes:*

git push origin --mirror

* *Adding new remote path & pushing:*

git remote -v

git remote add kars [REPO.GIT\_URL]

git push kars master

**REFERENCES:**

* <https://accentureatcp.udemy.com/course/git-and-github-bootcamp/learn/lecture/24911618#reviews>
* <https://semver.org/>
* <https://www.atlassian.com/git/tutorials/inspecting-a-repository/git-tag>