Create a Repository Working with Branches List all local branches From scratch -- Create a new local

\$ git branch

List all branches, local and remote

\$ git branch -av

Switch to a branch, my branch,

and update working directory

\$ git checkout my branch

Observe your Repository List new or modified files not vet

Download from an existing repository

committed \$ git status

\$ git init [project name]

\$ git clone my url

repository

Show the changes to files not yet staged

\$ git diff Show the changes to staged files

\$ git diff --cached Show all staged and unstaged

file changes \$ git diff HEAD

Show the changes between two commit ids \$ git diff commit1 commit2

List the change dates and authors for a file

\$ git blame [file] Show the file changes for a commit

id and/or file \$ git show [commit]:[file]

Show full change history \$ git log Show change history for file/directory

including diffs

\$ git log -p [file/directory]

Create a new branch called new branch \$ git branch new branch

Delete the branch called my branch

\$ git branch -d my branch Merge branch a into branch b

\$ git checkout branch b \$ git merge branch a

Tag the current commit

Make a change

Stages the file, ready for commit

\$ git add [file]

Stage all changed files, ready for commit \$ git add .

Commit all staged files to versioned history

\$ git commit -m "commit message" Commit all your tracked files to

versioned history \$ git commit -am "commit message"

Unstages file, keeping the file changes \$ git reset [file]

Revert everything to the last commit

\$ git reset --hard

Synchronize Get the latest changes from origin

\$ git fetch

Fetch the latest changes from origin

(no merge)

and rebase

and merge \$ git pull

Fetch the latest changes from origin

\$ git pull --rebase

Push local changes to the origin

\$ git push

Finally!

When in doubt, use git help

\$ git command --help

Or visit https://training.github.com/

for official GitHub training. \$ git tag my tag add commit push Working Local **Staging** Remote (index) Repository Repository fetch reset reset [commit] pull