**Branching Exercise**

Part I:

* The git command that creates a branch is: git checkout -b .
* The difference between a fast-forward and recursive merge is that a fast-forward merge ensures that no merge commits are created. A recursive merge involves handling and detecting merges involves renames, but can’t do anything with copies that are detected. Unlike a fast-forward merge, a recursive merge is the default merge strategy. Unlike recursive merges, fast-forward merges can only occur if there haven’t been any commits on the original branch while someone works on the new branch.
* The git command changes to another branch is: git checkout.
* The git command that deletes a branch is: git branch -d .
* Merge conflicts happen when Git is unable to determine the folder or file to choose when merging because one file has different commits to make changes on it.

Part II:

drewharnedy@Drews-MacBook-Air ~ % ls

Applications Downloads Music dogs.txt index.html

Desktop Library Pictures dogs\_copy.txt learn\_git\_again

Documents Movies Public first

drewharnedy@Drews-MacBook-Air ~ % git branch

add-css

master

remove-animation

\* teal-bg

drewharnedy@Drews-MacBook-Air ~ % git checkout master

Switched to branch 'master'

drewharnedy@Drews-MacBook-Air ~ % git merge -m "Please promptly merge this" [add-css]

zsh: no matches found: [add-css]

drewharnedy@Drews-MacBook-Air ~ % git merge -m "Please promptly merge" add-css

Already up to date.

drewharnedy@Drews-MacBook-Air ~ % git merge -m "Please promptly merge" remove-animation

Already up to date.

drewharnedy@Drews-MacBook-Air ~ % git push master

fatal: The current branch master has no upstream branch.

To push the current branch and set the remote as upstream, use

git push --set-upstream master master

To have this happen automatically for branches without a tracking

upstream, see 'push.autoSetupRemote' in 'git help config'.

drewharnedy@Drews-MacBook-Air ~ % git push remove-animation

fatal: The current branch master has no upstream branch.

To push the current branch and set the remote as upstream, use

git push --set-upstream remove-animation master

To have this happen automatically for branches without a tracking

upstream, see 'push.autoSetupRemote' in 'git help config'.

drewharnedy@Drews-MacBook-Air ~ % git merge master

Already up to date.

drewharnedy@Drews-MacBook-Air ~ % git checkout master

Already on 'master'

drewharnedy@Drews-MacBook-Air ~ % git merge development

merge: development - not something we can merge

drewharnedy@Drews-MacBook-Air ~ % git merge remove-animation

Already up to date.

drewharnedy@Drews-MacBook-Air ~ %