Remote Repositories – Branching & Merging

* To create new Branch
  + git branch <branchName>
* To check Branches
  + git branch
* To switch to new Branches
  + git checkout <branchName>
* To merge branch

1. Goto main branch, git checkout main
2. git merge <branchName>
3. VM opens, type :q!
   * + Save and quite
4. git push origin main -u

Forking and Pull Requests

* fork, create a copy of another’s repo and putting it under your own github
  + goto the repo and click fork button at top
* To merge original repo and your forked repo:

1. Goto githb repo -> code -> new pull request
2. Fix any conflicts -> create pull request
3. Have Owner accept pull request
   1. Goto repo -> pull requests
   2. Click on pull request -> review changes -> select Approve -> submit review
   3. Merge pull request -> confirm merge

Git hub Notes

Local Version Control

* To enable local version control:
  + git init
  + ls -a, to check
* To check history:
  + git log

To add files

* To Check for files not added, not comitted:
  + git status
* To add files:
  + git add **.** OR
  + git add file**.**extention
  + pushes to staging area from working directory
* To commit files:
  + git commit -m “message”
  + pushes from staging area to git repository

To Remove files

* To remove files from Commit
  + git rm –-cached -r <file>

To roll back

* To check differences between current version and the one committed to repository:
  + git diff
* To roll back:
  + git checkout file.extention

Remote Repositories

* To add local files from local repo to Github repo

1. Create a remote
   * git remote add origin <repo link>
   * origin, name of remote
2. Push local repo to remote repo
   * git push -u origin main
   * -u, links remote and local repos

To not commit certain files

* User settings, sensitive files, API keys, etc
* Makea file called “**.**gitignore”
* > in the file write down the files to be ignored

file.extention

file.extention

* + Separate each file with a newline
* To comment: #
* Able to use wildcards (\*, etc)
* Premade .gitIgnore files (node, java, etc)
  + <https://github.com/github/gitignore>