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# Final Assignment for SJSU's CS 153 - Compilers ▼

*Starring Jeff, Itaru, Ben, and Ki Sung*

## WHAT YOU SHOULD ALWAYS DO ▼

- Update from the parent branch AND update current branch before you push (or even commit) anything. **This means git pull and git merge master all the time, before you make/push changes!!**
- *Incremental, staged pull requests AND commits -- that is, never just blindly select all and commit. Rather, if you have a lot of changes, do it in blocks (eg updated readme, improved parser field names, etc).*

## How to contribute using Git from terminal ▼

0. use git clone on the repo, using credentials and this url
1. use `git checkout -b` with `your-new-feature-branch-name` from master to create branch
2. use git add to index the files, commit to update locally, and push to push the changes
3. then do a compare and pull request from the *GitHub website*
4. add the relevant code reviewers, and implement any of their requested changes
5. merge your branch with master - rebase and squash if necessary (test merging on a temporary branch off master if you're not comfortable with that sort of things).

## How to contribute using GitHub Desktop ▼

0. clone the repo into a location into the default GitHub documents folder
1. create Branch
  - i. go `toolbar>branch>new-branch` and then enter *your-new-feature-branch-name*
  - ii. click publish branch (upper middle of the screen)
2. every time you make changes to any of the contents in the *CS153Projects* directory:
  - i. fetch origin (this syncs the remote repositories changes with your local copy)
  - ii. uncheck all changes, and check only the logically related ones to add. IMPORTANT: DON'T LAZILY COMMIT ALL and say LATEST CHANGES, etc
  - iii. add a summary and press commit
3. when you've gotten to the point that you're ready to add your changes to master:
  - i. test your changes, and make sure it compiles with the makefile (you should be doing this incrementally and often, anyways).
  - ii. go onto the GitHub website, go to your branch off of master, and then click compare and pull request
  - iii. give it a title of the change, and summary of why/how/what, and manual/compilation tests you've made, and add reviewers
  - iv. add reviewer to the PR (add everyone if unsure) - and then implement any of their changes

v. once approved, merge with master and delete the feature branch (or someone else will do it for you)