Before we start

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Homework

The homework submission is an automated process, including the submission itself. Upon the homework HWX deadline, a robot will automatically pull your HWX branch, test it, and partially grade it (for correctness and sometimes performance). If these tests are not successful, the grade will be directly affected.

Git

I assume your name is bstudent, and your fork of the homework repo is bstudent/homework. In case you haven’t yet forked my repo https://github.com/COSC462-UTK/homework, do it ASAP. To facilitate your git use, you should setup you access to GitHub via ssh keys, and make sure you have a working ssh agent. This document is not a git cheat-sheet, it focuses on the minimal usage of git for the purpose of the COSC462 homework.
Clone your repo

```
git clone git@github.com:bstudent/homework
cd homework
```

Create a branch for HW1

```
git checkout -b hw1

```

Switch to the HW1 branch (if it exists)

```
git branch hw1
```
Changes

Getting changes

Setting a remote to the homework repo

1. `git remote add upstream \
   git@github.com:COSC462-UTK/homework.git`

Getting updates from your repo

1. `git pull`

Getting updates from the homework repo

1. `git pull --rebase upstream master`
Changes
Pushing changes

Adding new files

```
git add *files*
```

Commit local changes

```
git commit -s
```

Making the changes visible

```
git push
```
Do/Don’t

- Read a good git cheat-sheet (or the manual) to learn a little bit more about git
- Don’t force push your changes (push -f). It will affect the history of all the copies of your repo.
- Don’t create a PR against the homework repo with your homework. Just take care of the correct branch, and everything else will be done automatically.
- Do create a PR against the homework repo if you have identified a problem with the skeleton code, and would like to provide a fix.
- Make sure all dependencies, outside the mainstream one, are in your repo, accessible to the homework branch.