Git Workflow Basics
4 Steps

1. Head to gitlab, copy your repository. (git clone sshLinkToRepo/or https)
   a. Then enter the repo (cd cmsc436-DirectoryID)

   1. `git remote add upstream` (note: using https protocol)
      
      https://gitlab.cs.umd.edu/arasevic/cmsc436spring2022-student.git

   1. `git pull upstream master`

   1. `git push origin master`
What are we doing here?

- **Upstream** (repo for instructors, also on Gitlab)
- **Origin** (Repo on GitLab)
What are we doing here?

- upstream
- origin
  - Repo on GitLab
- clone git.gitlab@XXXXXXX
- Your Computer (With Git)
What are we doing here?

```
git remote add upstream addressHere
```

Your Computer (With Git)

upstream

origin Repo on GitLab
What are we doing here?

```
git pull upstream master
```

1. upstream
2. origin Repo on GitLab
3. Your Computer (With Git)
What are we doing here?

upstream

Your Computer (Master)

origin Repo on GitLab

git push origin master

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Important Git commands

`git status` → To see if there are any changes to commit
Important commands

git status → To see if there are any changes to commit

git fetch upstream master → See if there is anything to pull

git pull upstream master → Actually pulling from upstream
How to turn in your work!

All on your local dev environment

git status

git add filesToCommit // (or --all)

Don’t use the --all flag!!

git commit -m “exercise 1 implementation”

git push origin master