Git Workflow Basics
4 Steps

% git clone httpsLinkToRepo (or sshLinkToRepo)
% cd cmsc436-DirectoryID
% git remote add upstream https://gitlab.cs.umd.edu/arasevic/cmsc436fall2022-student.git
% git pull upstream main
% git push origin main
What are we doing here?

Upstream (repo for instructors, also on Gitlab)

Origin Repo on GitLab
What are we doing here?

upstream

Your Computer (With Git)

origin
Repo on GitLab

clone git.gitlab@XXXXXXX
What are we doing here?

```
git remote add upstream addressHere
```

![Diagram showing a connection between `upstream`, `origin Repo on GitLab`, and `Your Computer (With Git)`]
What are we doing here?

- upstream
- origin Repo on GitLab
- Your Computer (With Git)

```bash
git pull upstream main
```
What are we doing here?

upstream

origin
Repo on
GitLab

git push origin main

Your Computer
(Master)
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 // (Don’t use the --all flag!!)
- git commit -m “exercise 1 implementation”
- git push origin main

Check status of repo through browser