What you want to do	Git commands at command line
Clone a repo on Github locally	<pre>git clone <url_from_github></url_from_github></pre>
Check to see what files are changed	git status
Show file differences that haven't been staged	git diff
See what branch you are on	git branch
Add a file to the staging area (for tracking)	<pre>git add <file_name></file_name></pre>
Remove a file from the staging area	<pre>git reset <file_name></file_name></pre>
Show file differences between staged and last commit	git diffstaged
Commit changes in staging area to a checkpoint	git commit -m " "
See where on Github you will push your commit	git remote -v
Push your commit to Github	<pre>git push <name_of_rempote> <name_of_branch></name_of_branch></name_of_rempote></pre>
Pull your last changes on Github down locally	<pre>git pull <name_of_rempote> <name_of_branch></name_of_branch></name_of_rempote></pre>
For pair programming Assumes you and your partner are working on the main (de	efault) branch
After your partner has added you as a collaborator on their	,
Add your partner as remote (for push/pulling)	<pre>git remote add <their_name> <url_of_their_repo_on_github></url_of_their_repo_on_github></their_name></pre>
Pull their changes into your main branch	git pull <their_name> main</their_name>
You do some work (you 'drive' aka code)	
Add changes to the staging area	<pre>git add <file_name></file_name></pre>
Commit changes in the staging area to a checkpoint	git commit -m " "
Push your commit to your partners remote	git push <their_name> main</their_name>
Push your commit to your remote	git push origin main
Now your partner starts to drive (you navigate)	git pull origin main
First your partner pulls you changes down	

For group case studies Assumes you are following the Feature Branch Workflow https://www.atlassian.com/git/tutorials/comparing-workflows/feature-branch-workflow In this workflow you never work on the main branch (for final code & code to be shared) One of the group members (A) forks the Galvanize case study, and then clones it locally. On GitHub, A adds everyone as collaborators, and then they clone A;s repository (NOT Galvanizes) git branch <your_name> Each member (incl. A) makes a branch named after them git checkout <your_name> Now each member (incl. A) check out their branch Now everyone does thier work You have some code you want to share witht he group so: git add <file_name> Add changes to the staging area git commit -m "<a short, descriptive commit message>" Commit changes in staging area to checkpoint git push origin <your_name> Push your commit (on your branch) to A's remote Now A will pull down your branch, and merge it into main git checkout main A gets on the main branch git pull origin main A pulls down whatever is new on the main branch A verifies that your branch exists on the remote git branch -r git fetch origin <your_name>:<your_name> # GitHub:local A fetches your branch git checkout main A verifies they are on the master branch A merges your branch into main git merge <your_name> git push origin main A pushes the main branch up to GitHub git pull origin main Others pull down the main branch to access your code git checkout main To use it, you and they should make a branch off main Delete the old branch (if all changes have been committed) git branch -d <your_name> git branch <your_name> Make a new branch Check it out (to work on it) git checkout <your_name> Fetch a remote branch

Clone a repo on GitHub locally	git clone <url_from_github></url_from_github>
Fetch the remote branch	<pre>git fetch origin <remote_branch>:<remote_branch></remote_branch></remote_branch></pre>
If you want to merge a branch into main (after you've fetched it above)	
Make sure you are on main	git checkout main
Merge the branch into the main branch	git merge <branch_name></branch_name>
Delete the branch	git branch -d <branch_name></branch_name>