

Git commands

By [camilaburne](#)

Basic Commands

```
git branch -a      # list all branches
git branch         # list current branch
git branch -r      # list remote branch
git checkout <branch> # pull existing branch
git checkout -b <new> # create new branch
git pull --all
git push <remote> <branch> # changes into branch
git commit -m "<message>" # commit with msg
git merge <branch>
```

Workflow

```
git clone <repo>      # clone entire repo
git checkout -b dev   # create new dev branch
git add              # add changes to stage
git commit
git pull             # sync latest changes
git push            # update changes
git merge <branch>   # add to main branch
```

Git set up

```
git --version
git config --global user.name 'Camila Burne'
git config --global user.email 'camilaburne@utexas.edu'
git config --list
```

Repo set up

```
cd /Users/camilaburne/my_project
git init
git add *.c
git add LICENSE
git commit -m <message>
```

Undoing

```
git reset <file>      # unstage file changed
git reset --soft HEAD^ # undoes last commit
git reset --soft HEAD^^ # undoes last 2 commits
git revert <commit>    # new commit that undoes other commit
```