

Git CheatSheet

Installation

On Linux

```
#Debian Distro
sudo apt-get install git

# Fedora Distro
yum -y install git
```

On windows and Mac

Download github desktop and shell from [here](#)

Getting Started

```
#to initialize git in a local directory
git init

#to clone a repo from github
git clone url
```

Configuring your name and email

```
#set up user name
git config --global user.name "Insert your name here"

#set up user email
git config --global user.email "Insert your email here"
```

Commiting files

Check file status

```
git status
```

how to add files to the [staging](#) area

```
#add a specific file
git add filename

#add a specific file type
git add *.extention

#add all files

git add .
or
git add *

#this command will unstage the files which are not committed
git reset filename
```

How to commit Changes

```
git commit -m "Insert Commit message here"
```

See commit history

```
#detailed commit history  
git log
```

Go back to a previous commit

```
git reset --hard sha
```

sha is the alphanumeric you find when using `git log`

Branches

```
# check current branch names  
git branch  
  
# add a new branch  
git branch branchname  
  
# switch to a different branch  
git checkout branch name  
  
# add a new branch and switch to that branch  
git checkout -b branchname  
  
# merge a branch to the current branch  
git merge branchname
```

Contributing to an Online Repo Workflow

Remotes

Manage the set of repositories ("remotes") whose branches you track.

```
#check available remotes  
git remote  
  
#Add a new remote  
git remote add url
```

Pull and Push

```
#pull all the branches from your main repo  
git pull  
  
#pull specific branch from a specific repo  
git pull remote-name branch-name  
  
# push all the branches to the main repo  
git push  
  
#push specific branch to a specific repo  
git push remote-name branch-name
```

Resources

- [Try Github](#)
- [learnGitBranching](#)

- [Pro Git - Free Book](#)
- Learn more about [Markdown format](#)
- Learn more about [github gist](#)
- See your contributions [here](#)