

```
git pull origin master
```

pull latest changes from the repository

```
git checkout -b <branch>
```

creates a branch for your work

```
git add <files>
```

add changes files and folders to the staging area

```
git status and/or git diff
```

check out the changes you're going to commit

```
git commit -m <message>
```

commit the staged files to local repository

```
git push origin <branch>
```

commit the staged files to local repository

optional

commit loop

```
git checkout master
```

pull latest changes from the repository

```
git merge <branch>
```

merge your changes in to your local master branch

```
git push origin master
```

push your changes to the remote master

feature loop

## Starting Out

When you have an idea for a new feature or you want to fix a bug, this is what you do. You first pull the latest changes from the remote repository. Then, you create a new branch and work on your feature. You should commit often with detailed commit messages. If you want to share your unfinished work with others, push your branch to the remote repository for others to see.

## Finishing Up

When your feature or fix is complete, tested, and well-documented, it is ready to be merged into the remote master branch. You start by changing (checking out) your local master branch. You then merge your feature branch with the master, fixing any conflicts that may occur.

Finally, you push your changes to the remote master.

## Finishing Up

```
git clone user@host:/path/to/repo
```

## History is Nice

```
git log --pretty=oneline
```