

## DISTRIBUTED VERSION CONTROL SYSTEMS: GIT

### Need:

- ssh
- git
- standard linux commands in place
- text editor and echo
- Set up a bitbucket account using your utep email address

```
git init
git config --global user.name "natasha"
git config --global user.email "nssharma@utep.edu"
git config --list /* to check the config */
echo "NSSharma" >> contributors.txt
git status
git add contributors.txt
git status
git commit -m "added contributors file"
git status
git log
```

### Branching:

```
git clone url
git branch name_branch
git branch /* to check which branch we are on */
git checkout master /* to change to the branch we want to merge with */
git merge branch_name
```

### Pushing changes to the bitbucket:

```
git push origin master
```

### To avoid having to enter your password time and again:

```
ssh-keygen
```

Generating public/private rsa key pair.

Enter file in which to save the key (/c/Users/username/.ssh/id\_rsa):

Created directory '/c/Users/manthony/.ssh'.

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /c/Users/username/.ssh/id\_rsa.

Your public key has been saved in /c/Users/username/.ssh/id\_rsa.pub.

The key fingerprint is:

e7:94:d1:a3:02:ee:38:6e:a4:5e:26:a3:a9:f4:95:d4 ...

```
ls ~/.ssh  
id_rsa id_rsa.pub
```