**CSE 310: Object Oriented Programming II Lab**

**Lab Sheet**

**Local Repositories :**

$ git init

$ git config --global user.name “Md. Nahiyan Uddin”

$ git config --global user.email [nahiyan.uddin.102@gmail.com](mailto:nahiyan.uddin.102@gmail.com)

$ git config --local user.name "Md. Nahiyan Uddin"

$ git config --local user.email [nahiyan.uddin.102@gmail.com](mailto:nahiyan.uddin.102@gmail.com)

$ git status

$ git add <filename1> <filename2>

$ git add .

$ git add --all

$ git add -A

$ git commit -m <message>

$ git help -a

$ git branch

$ git branch <branchname>

$ git checkout <branchname>

# merge staged branch into master branch

$ git checkout master # switched to master branch

$ git merge staged # merged

**Remote Repositories:**

# create a remote repository

$ git remote add origin <github link>

# push master branch

$ git checkout master #switch to master branch

$ git push origin master

# push staged branch

$ git checkout staged

$ git push origin staged

$ git clone <https://github.com/NahiyanUddin/Git-tutorial-A1.git>

$ cd <repositoryname>

# create the local repository

$ git pull origin master # github master > local master

$ git branch staged

$ git checkout staged

$ git pull origin staged # github staged > local staged

**Git Reset:**

$ git log

$ git log --oneline

$ git reset --hard Head~1

$ git reset --hard Head~2

$ git reset --hard <commit id>

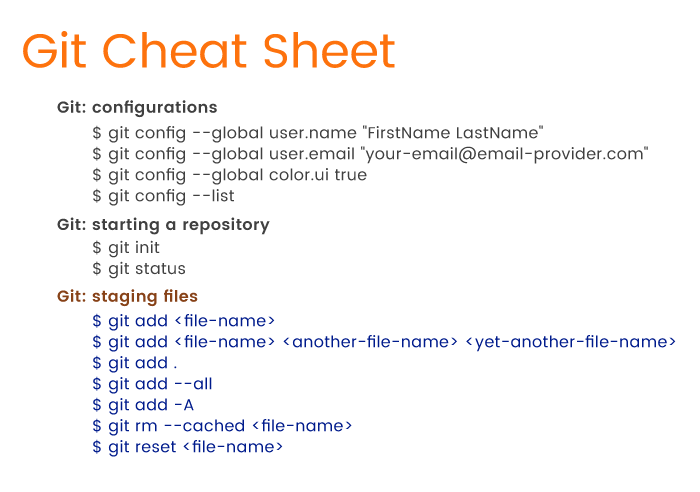
$ git reset --soft Head~1

$ git reset --soft Head~2

$ git reset --soft <commit id>

$ git rm --cached <filename>

**Basic Git commands -** [**http://guides.beanstalkapp.com/version-control/common-git-commands.html**](http://guides.beanstalkapp.com/version-control/common-git-commands.html)

****