

CSE 310: Object Oriented Programming II Lab

Lab Sheet 2

Local Repositories :

```
$ git init
```

```
$ git config --global user.name "Md. Nahiyan Uddin"
```

```
$ git config --global user.email nahiyan.uddin.102@gmail.com
```

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

```
$ git config --local user.email 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-A2.git>

\$ cd <repositoryname> # [Git-tutorial-A2](#)

\$ git branch # show branch names

\$ git branch staged

\$ git checkout staged

\$ git pull origin staged

create the local repository

\$ cd <repository name>

\$ git init

\$ git remote add origin <github repository link>

\$ 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>

Git Cheat Sheet

Git: configurations

```
$ git config --global user.name "FirstName LastName"
$ git config --global user.email "your-email@email-provider.com"
$ git config --global color.ui true
$ git config --list
```

Git: starting a repository

```
$ git init
$ git status
```

Git: staging files

```
$ git add <file-name>
$ git add <file-name> <another-file-name> <yet-another-file-name>
$ git add .
$ git add --all
$ git add -A
$ git rm --cached <file-name>
$ git reset <file-name>
```