

Great Reference <http://www-cs-students.stanford.edu/~blynn/gitmagic/index.html>

1 SETUP

Clone an existing repository

```
$ git clone https://address.git
```

Create an empty local repository

```
$ git init
```

Add author name and email

```
$ git config --global user.name "Fawaz M."  
$ git config --global user.email Fawaz@Fawaz.com
```

Ignore files/directories

```
$ vim .gitignore #add files description  
$ git add .gitignore;  
$ git commit -m "ignore description"
```

Colorize Git output

```
$ git config --global color.ui auto  
$ git config --global color.branch auto  
$ git config --global color.status auto
```

2 LOCAL CHANGES

Check status (uncommitted file changes, addition, or deletion)

```
$ git status
```

Stage all current changes

```
$ git add .
```

Commit your staged files with long message

```
$ git commit
```

Commit staged files with a short message

```
$ git commit -m "Message"
```

Amend the last commit message

```
$ git commit --amend -m "Amendment"
```

3 HISTORY

Show all commits

```
$ git log
```

Show most n commits

```
$ git log -n
```

Show online for each commit

```
$ git log --oneline
```

4 CHANGE HEAD

To change head to commit x issue the commands

```
$ git reset --soft x  
$ git push origin +master
```