Git CheatSheet

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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"
```

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
```