git Setup

```
git config --global user.name "CodeMonkey"
```

```
git config --global user.email "manjunathprasad99@gmail.com"
```

Configures the email and name in the git

git SETUP and INIT

```
git init
```

init will initialize a empty git repository

```
git clone URL
```

retrieves an entire repository from a hosted location via URL

git STAGE aand SNAPSHOT

```
git status
```

show modified files in working directory, staged for your next commit

```
git add [file]
```

add a file as it looks now to your commit(stage)

```
git add .
```

adds all files to next stage

```
git reset [file]
```

unstage a file while retaining the changes in working directory

```
git diff
```

diff of what is changed but not staged

```
git diff --staged
```

diff of what is staged but not yet committed

```
git commit -m "[descriptive message]"
```

commit your staged content as a new commit snapshot

```
git remote add origin [URL]
```

establish a connection from local repo to remote repo

```
git branch -M Master
```

Creates a master branch

```
git push -u origin Master
```

Transmit local branch commits to the remote repository

git branch and Merge

```
git branch
```

List your branches. a * will appear next to the currently active branch

```
git branch [branch-name] intial-branch-to-react-app
```

Create a new branch at the current commit

```
git checkout
```

Switch to another branch and check it out into yout working directory

```
git checkout -b branch-name
```

Create and Switch the branch name

```
git merge [branch]
```

Merge the specified branch's history into the current one

```
git log
```