

# Git and Github

For day to day usages

# Useful Links

1. <https://git-scm.com/docs/gittutorial>
2. <https://git-scm.com/downloads>
3. [https://learn.microsoft.com/en-us/windows-server/administration/openssh/openssh\\_keymanagement](https://learn.microsoft.com/en-us/windows-server/administration/openssh/openssh_keymanagement)

# Configuration

```
git config --global user.email <github email>  
git config --global user.name <github username>  
git config --global core.editor vim
```

# Basic Commands

```
git branch
```

```
git checkout <branch name to go>
```

```
git checkout -b <new branch to create>
```

```
git branch -D <branch name to delete>
```

# Basic Commands

```
git status
```

```
git diff
```

```
git add .
```

```
git add <path of a file>
```

```
git diff --staged
```

```
git commit -m "commit message"
```

```
git commit
```

```
git log
```

```
git log -p
```

```
git push <remote name> <branch name>
```

# Basic Commands

```
git remote -v
```

```
git remote rename <current remote name> <new remote name>
```

```
git remote add <remote name to add> <url of the remote>
```

```
git fetch <remote name> <branch name>
```

```
git reset --hard <remote name>/<branch name>
```

# Basic Commands

```
git remote -v
```

```
git remote rename <current remote name> <new remote name>
```

```
git remote add <remote name to add> <url of the remote>
```

```
git fetch <remote name> <branch name>
```

```
git reset --hard <remote name>/<branch name>
```

```
git rebase <remote name>/<branch name>
```

# Basic Commands

```
git reset .  
git reset <path of file>  
git reset HEAD~1 # undo last commit
```

```
git stash  
git stash list  
git stash pop <index to pop>
```