



Git Workshop

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What is version control?

Version control is the process of tracking and managing changes to a file over time

Version Control Systems (VCS) allow you to do this:

Git is one such system



- Github is an online cloud system used to host git repos



Git Workflow



Working
directory

file1.txt
file2.txt
file3.txt

git add

Staging area



file1.txt
file2.txt
file3.txt

git commit

Local repo



file1.txt
file2.txt
file3.txt



Git and Github



Local repo

file1.txt
file2.txt
file3.txt
file4.txt

git push

Remote repo

file1.txt
file2.txt
file3.txt
file4.txt

git pull



Common git commands

Initialises git repo for local folder

```
git init
```

Adds a specific file to staging area

```
git add [filename]
```

Adds all files in folder to staging area

```
git add .
```

Commits files in staging area to local repo

```
git commit -m "[Insert message text]"
```

Push new git commits to remote github repo

```
git push
```

Pull any changes from remote repo to local folder

```
git pull
```

Rollback to a previous commit

```
git reset
```



Thank You!

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