

Git Course

Commands

Initialize a git repo:

```
git init
```

Inspect changes in the working directory:

```
git status
```

Add files to staging area:

```
git add file-name  
git add file-name-1 file-name-2  
git add .
```

Permanently store changes from staging area into the repo:

```
git commit -m "my message in present tense"
```

View, in chronological order, all commits:

```
git log
```

Show details of last commit:

```
git show HEAD
```

Restore changes in specific file:

```
git checkout filename
```

Unstage from commit a specific file:

```
git reset HEAD filename  
git reset sha_7
```

Get current branch:

```
git branch
```

```
git branch -a
```

Create a new branch:

```
git branch my_branch
```

Change branch:

```
git checkout new_branch
```

Merge changes to branch:

```
git merge my_branch
```

Delete a branch:

```
git branch -d branch_name
```

Clone a remote repository:

```
git clone repo-name local-repo-name
```

Get remote address of repo:

```
git remote -v
```

Bring remotes changes into your local and merge:

```
git fetch  
git merge remotes/origin/master
```

Push branch to remote repo:

```
git push origin branch_name
```

Concepts

- Working Directory
- Staging Area: changes to the working directory
- Repository: stored changes as versions of the project

- Commit
- Branches