

Learning Git

June 17, 2017

Commands

`git init`

- Initialize a folder.

`git remote add origin https://github.com/shahzebasif/tabletop.git`

- Add remote location to upload to.

`git status`

- Check the status of git folder.

`git add <filename>`

- Add filename to be committed.

`git commit -<x> "Adding a README"`

- m: message
- a: all changes
- Commits the change but might prompt for author.

`git log`

- Gives the log of all commits and an ID.

`./.gitignore`

- File that has names of files to ignore.

`git push origin master`

- Push the commits online on branch `master`.

`git pull origin master`

- Gets latest updates from remote.

```
git branch
```

- Lists all the branches.

```
git branch <name>
```

- Creates branch with name.

```
git checkout <name>
```

- Switches to branch with name.

```
git merge <branchname>
```

- Gets the content from branchname and merges it with the current branch.

```
git branch -d <branchname>
```

- Delete branch locally.

```
git push origin --delete <branchname>
```

- Deletes the branch on remote.

```
git push --force
```

- Overwrites everything on remote with current git repo.

```
git clone https://github.com/shahzebasif/<repo>.git
```

- Clones repo.

```
git config --global user.email "email address"
```

- Sets the authors name.

```
git fetch -all && git reset --hard origin/master
```

- Makes the local directory identical to the online version.

```
git checkout --track origin/<branch>
```

- Creates a new branch with the remote branch.

```
git reset --soft HEAD~1
```

- Undo last commit without dropping the content.

Note: If you push and there are conflicts, it won't push. It'll ask you to merge them. You should pull the online version, resolve the changes, and then push the result.