

Git Merge, Push, Checkout and Log with Commands

Branch & Merge

Isolating work in branches, changing context, and integrating changes.

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

```
git branch
```

2. create new branch at the current commit

```
git branch [branch-name]
```

3. switch to another branch and check it out into your working directory

```
git checkout
```

4. merge the specified branch's history into the current one

```
git merge [branch]
```

5. show all commits in the current branch's history

```
git log
```

Share and Update

Retrieving updates from another repository and updating local repos

1. add a git URL as an alias

```
git remote add [alias] [url]
```

2. fetch down all the branches from that Git remote

```
git fetch [alias]
```

3. merge a remote branch into your current branch to bring it up to date

```
git merge [alias]/[branch]
```

4. Transmit local branch commits to the remote repository branch

```
git push [alias] [branch]
```

5. fetch and merge any commits from the tracking remote branch

```
git pull
```