**Video Name:** GitBranchMerge

**Topics:** creating and merging branches in git

**Java Class(es):** TheBrancher (not in demo code)

Create a new branch

```bash
git branch [branchname]
```

HEAD is the pointer to the current branch

Move head to the branch. * shows current head.

```bash
git checkout [branchname]
```

Can move back to master

```bash
git checkout master
```

Checkout reverts files in working directory!

Merging branches

```bash
git merge [branchname]
```

Fast forward merge: when branch is directly upstream, i.e., the updates in the branch can just be
appended to the current master

Recursive merge will look for a common ancestor, will ensure no conflicts (or require programmer to
handle).