

## GIT BASICS — MIT Web Development Crash Course

### 1 The Problems

- Need independent local copies of the codespace
- Need to be able to merge different people's changes together
- Need to keep track of versions
- Need to know which version is the most up-to-date

### 2 Demo Staging & Commits

- `git diff`
- `git status`
- `git add`
- `git commit -m`

### 3 Demo Branches

#### 3.1 Demonstration

1. Creating a new branch
2. Switching between branches

#### 3.2 Handy commands

- `git branch`
- `git checkout [branch-name]` *switch to existing branch*
- `git checkout -b [branch-name]` *creat and checkout new branch*

### 4 Merging

#### 4.1 Follow along

1. checkout into main branch
2. `Git merge [new branch name]`

*Submitted by Rainstorm on February 3, 2024.*