Tips For Git Setup

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Git Introduction

Git is a version control tool to manage your development process and facilitate collaboration.

Illustration of git branch:

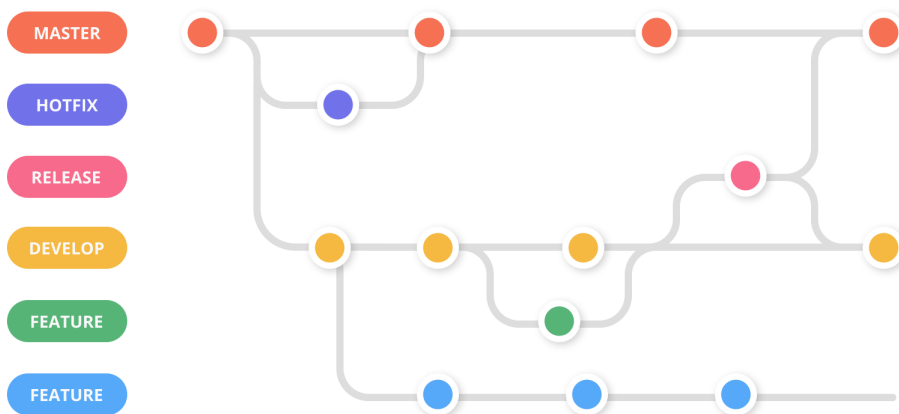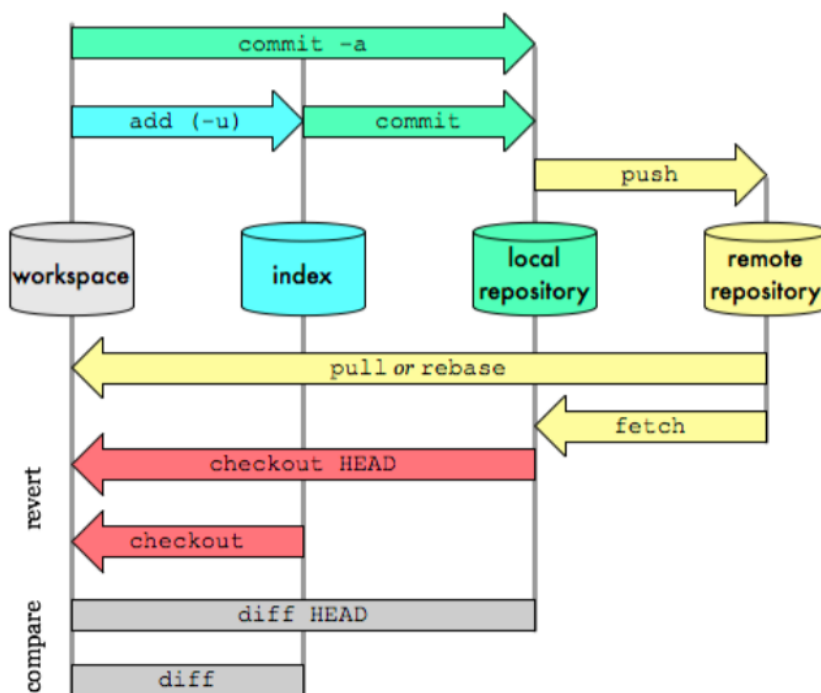Illustration of basic git workflow

Setup Remote Repo

We'll use GitHub as our remote repo host. Please sign up GitHub if you haven't had an account and create a new repository on GitHub follow the instructions here.

Install Git

To setup local git repository, we first need to install `git` on your laptop. Follow the instructions [here](#). Upon successful installation, you may use `Git Bash` to run any git command.

Setup Local Repo

Using Git Bash, **navigate to your project folder** and execute the following commands.

Initialize the local repo

```
git init
```

Add files that you want to track

```
git add Demo.java
```

Think: which files shouldn't be tracked? Put them into `.gitignore`

Commit your change

```
git commit -m "first commit"
```

Change the branch name

```
git branch -M main
```

Link the local repo to the remote repo

```
git remote add origin https://github.com/alice/HelloWorld.git
```

Push the commits to the remote repo

```
git push -u origin main
```

Now, you should be able to see your first commit on GitHub repo.