

Version Control

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Git and GitHub

Agenda

Version Control

Git

GitHub

Difference between Git and GitHub

Terms

Setup, Configure & Practice



Version Control

Helps software teams to manage changes to source code over time

Keeps track of every modification to the code

If mistake made, developers can compare latest code with earlier code

Developing software without version control is risky



Git

Source code management system

Designed to manage everything from small file to large projects



GitHub

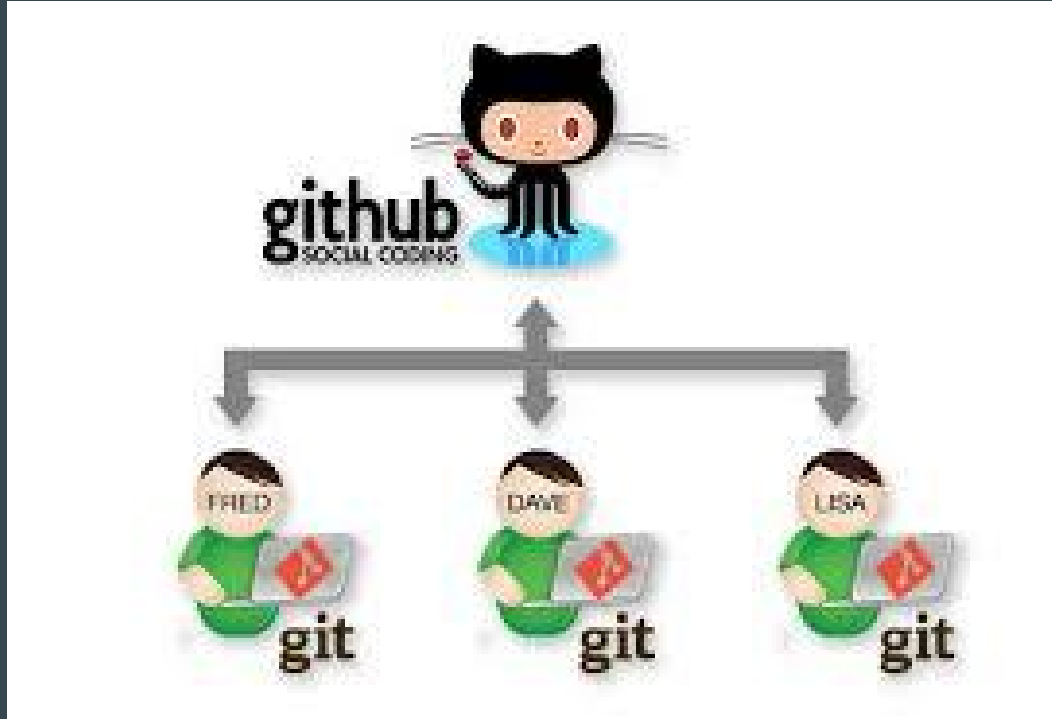
Web-Based git hosting service

Allows code collaboration with anyone online

Public and Private repositories



Difference between Git and GitHub



Terms

Init

Initializes current directory as a git repository

Add

Add new, modified, deleted files in next commit

Commit

Wrap staged modifications



Terms

Status

List down modifications in files

Push

Push single commit from local repository to GitHub

Pull

Pulls changes from GitHub repository to local repository



Terms



Setup, Configure & Practice

```
sudo apt-get update
```

```
sudo apt-get install git
```

```
git config --global user.email "you@amuratech.com"
```

```
git config --global user.name "Your Name"
```



To do

TryGit basic exercise

Create GitHub repository and push your local changes

What are GitHub Pages

