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**GIT**

Git is a version control system.

Git helps you keep track of code changes.

Git is used to collaborate on code.

**GIT AND GITHUB**

Git and GitHub are different things.

Git is a popular version control system. It was created by Linus Torvalds in 2005

**What Git Does**

* Manage projects with ****Repositories****
* ****Clone**** a project to work on a local copy
* Control and track changes with ****Staging**** and ****Committing****
* ****Branch**** and ****Merge**** to allow for work on different parts and versions of a project
* ****Pull**** the latest version of the project to a local copy
* ****Push**** local updates to the main project

### What is GitHub?

* Git is not the same as GitHub.
* GitHub makes tools that use Git.
* GitHub is the largest host of source code in the world, and has been owned by Microsoft since 2018.
* In this tutorial, we will focus on using Git with GitHub.

**Configure Git**

git configure user.name “user-name”  
git configuer user.email “user-email”

These credentials can be used while login

**Adding files**

When you add any file to a git repository it does not add it though git is aware of the file.

Git keeps a track of two files

Tracked and Untracked which can be viewed by using the command

git status gives the status of git repository that lists out commits and list of

tracked and untracked files.

**Git Staging**

One of the core functions of Git is the concepts of the Staging Environment, and the Commit.

git add index.html

The above command adds the file to the repository and it is ready to commit

It appears in the tracked files of the repository.

You can also stage more than one file at a time.

Using --all or -A instead of individual filenames will stage all changes (new, modified, and deleted) files.

Create a file named style.css add and link the file to index.html

**Git Commit**