

# Python Bootcamp

Week 1 - Topic 1

## Git and GitHub Setup

Note:

As this is a guide, do not expect everything to be covered, the most essential and basic information will be provided. You are free and encouraged to Google or research at your own pace.

### Github Account Setup.

#### What is GitHub?

GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.

We will be using GitHub to host our code and share it as we continue with the Bootcamp.

Use the Following resources to know more about GitHub:

- <https://guides.github.com/activities/hello-world/>
- <https://www.howtogeek.com/180167/htg-explains-what-is-github-and-what-d-o-geeks-use-it-for/>
- <https://www.edureka.co/blog/how-to-use-github/>

If you do not have a GitHub account, head over to <https://github.com/join> and create one.

Use the Following resources:

- <https://docs.github.com/en/github/getting-started-with-github/signing-up-for-a-new-github-account>
- <https://docs.aws.amazon.com/codedeploy/latest/userguide/tutorials-github-create-github-account.html>

## Git Setup

What is git ?

Git is a distributed version-control system for tracking changes in any set of files.

A version control system - a system/software that tracks and manages changes to software code.

Installing git:

<https://git-scm.com/downloads>

Resources on installing git:

<https://github.com/git-guides/install-git>

<https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>

<https://www.atlassian.com/git/tutorials/install-git>

Note:

For Windows users, ensure you have Git Bash installed.

<https://www.atlassian.com/git/tutorials/git-bash>

## Git Commands

Learn basic terminal/git bash commands:

<https://git-scm.com/book/en/v2/Getting-Started-The-Command-Line>

<https://docs.gitlab.com/ee/gitlab-basics/start-using-git.html>

## Configuring Git and GitHub:

For this section, use the article below:

<https://chrisdev.hashnode.dev/git-and-github-installation-and-configuration>

Activity:

Use The file to get the activity after completing the setup:

<https://github.com/ZetechUni/python/blob/main/docs/git-github-setup.md>