Prerequisites – GitHub 101 (For Beginners)

This document outlines **all prerequisites** you must complete **before starting** the **GitHub 101 – GitHub for Beginners practice** repository. Please complete **every step** below to avoid setup issues during exercises.

1Create a GitHub Account

You must have an active GitHub account.

Steps

1. Visit **https://github.com**
2. Click **Sign up**
3. Enter your:
   - Email address
   - Username (this will be public)
   - Password
4. Verify your email address
5. Complete the onboarding steps

Requirement

- You must be able to **log in successfully** to GitHub
- Remember your **GitHub username** (you will use it later)

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2 Install Git (Required)

Git is the version control system used to interact with GitHub from your computer.

Windows Installation - Video (https://www.youtube.com/watch?v=hC0IRTdbV7o)

1. Download Git from:https://git-scm.com/install/windows
2. Run the installer
3. Keep default options (recommended for beginners)
4. Finish installation

macOS Installation video
(https://www.youtube.com/watch?v=9GZmaxaQV0c)

Option 1: Using Installer

1. Download from:https://git-scm.com/install/mac
2. Install and complete setup

Verify Git Installation (Both OS)

Open **Terminal / Command Prompt** and run:

git --version

You should see a Git version number.

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3 Install Visual Studio Code (VS Code)

VS Code will be used as the main code editor.

Installation

1. Download from:
   https://code.visualstudio.com/

Enabled (code .) command

macOS - https://www.youtube.com/watch?v=tafqOKfQR24

1. Open VS Code
2. Press Cmd + Shift + P
3. Search **Shell Command: Install 'code' command in PATH**
4. Click and install

Windows

- This is enabled automatically during installation (if default options were selected)

4 Connect VS Code with Git

Video - https://www.youtube.com/watch?v=acLAaFPjOTo

5 Recommended VS Code Extensions (Optional but Helpful)

Install the following extensions:

- **GitHub Pull Requests and Issues**
- **GitLens**
- **Markdown Preview Enhanced**

Happy Learning & Welcome to Open Source!