The **Git** is a free and open-source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

# Installation

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| Link for installation <https://git-scm.com/downloads> |  |
| Install using the default settings. |  |
| Select the default editor for the lab. Then continue pressing next as a default installation. |  |
| Click finish when it is done! |  |

GitHub Repository

**Repository**: A directory or storage space where your projects can live. GitHub users shorten this to “repo.” It can be local to a folder on your computer, or it can be a storage space on GitHub or another online host. You can keep code files, text files, image files, you name it, inside a repository.

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| Creating an Account in GitHub  Link: <https://github.com/> |  |
| Sign-in, then on the upper right icon. Click your profile then select your repositories. |  |
| In this Page, click new. |  |
| Page for creating a new repository. |  |
| After creating, copy the link of your repository and then head on to VScode application. |  |

# Setting up the Repo in VScode.

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| First set-up the user and email in a new terminal.  Command:  Git config --global user.name “name”  Git config --global user.email “email” |  |
| Next is add a new folder in the explorer tab.  This folder is where the script file.  And this folder is going to be the new repository to be added in github. |  |
| After adding the folder  You can see the files inside of it.  In this case, I can see that I saved my script file in this folder. |  |
| Then go to source control and Click initialize repository  Pick the workspace folder that has just added.  It will also display the recent on |  |
| After the workspace has been added, the source control will update and will show the files. |  |
| Do the first commit. |  |
| In this case, click yes. |  |
| Then select push, on the option. |  |
| Then click add remote. |  |
| Paste the created link from GitHub.  This is the repository link.  Press Enter, then give it a Remote name.  It can be a name or whatever that is meaningful. |  |
| Click yes to update git fetch. |  |
| On the task bar, click the publish changes icon. |  |
| Log-in to GitHub. Using sign in with browser. |  |
| Click create pull request after log.in and authorization in the browser. |  |
| Then go back to github and refresh the repository page.  It will now show the published code to the github repository.  END of LAB. |  |