

SWT11022: Practical for Fundamentals of Programming

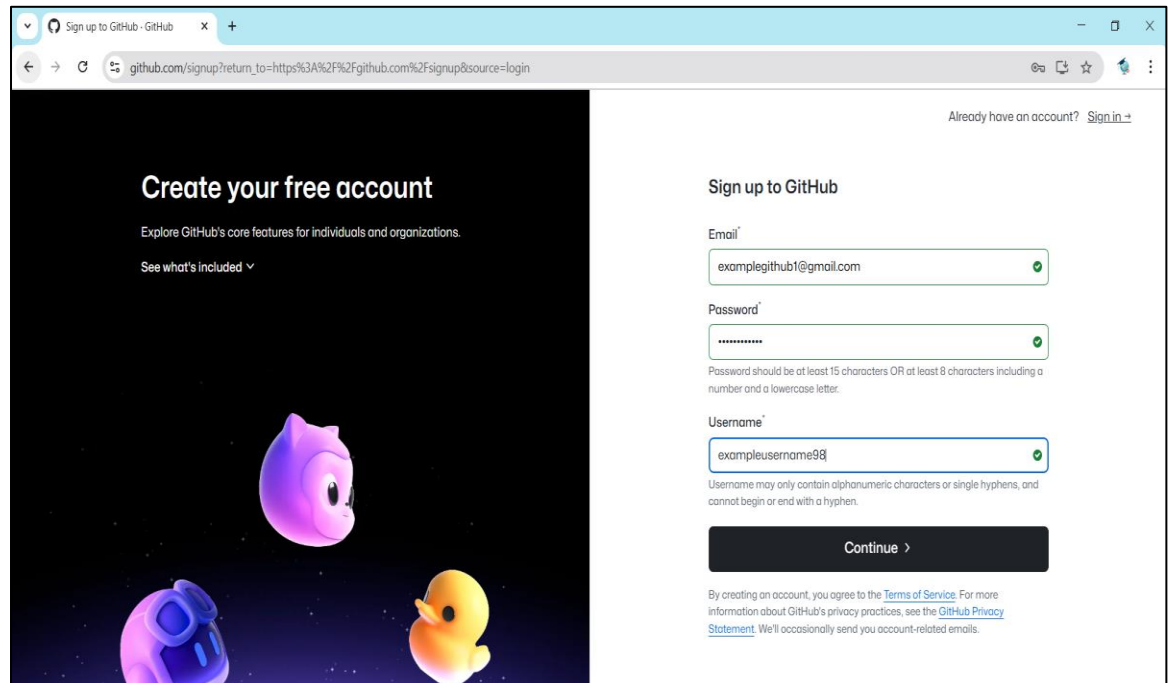
Department of ICT
Faculty of Technology
South Eastern University of Sri Lanka

Academic Year: 2022/202

Installation Guideline 02

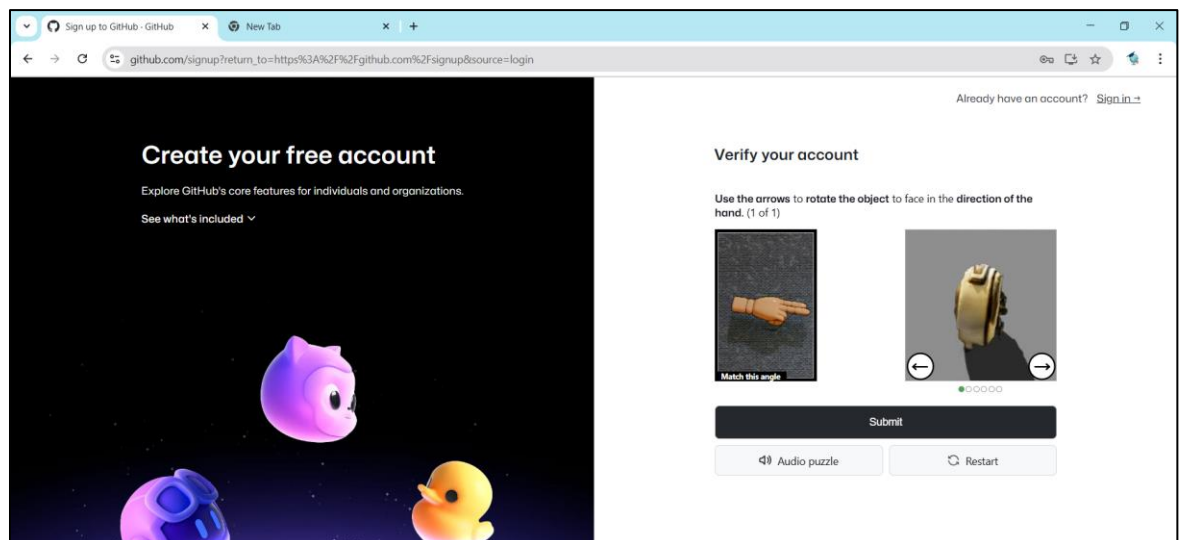
1. GitHub Account Setup:

- Go to sign up for a GitHub account → <https://github.com/signup>
- Create GitHub account as below



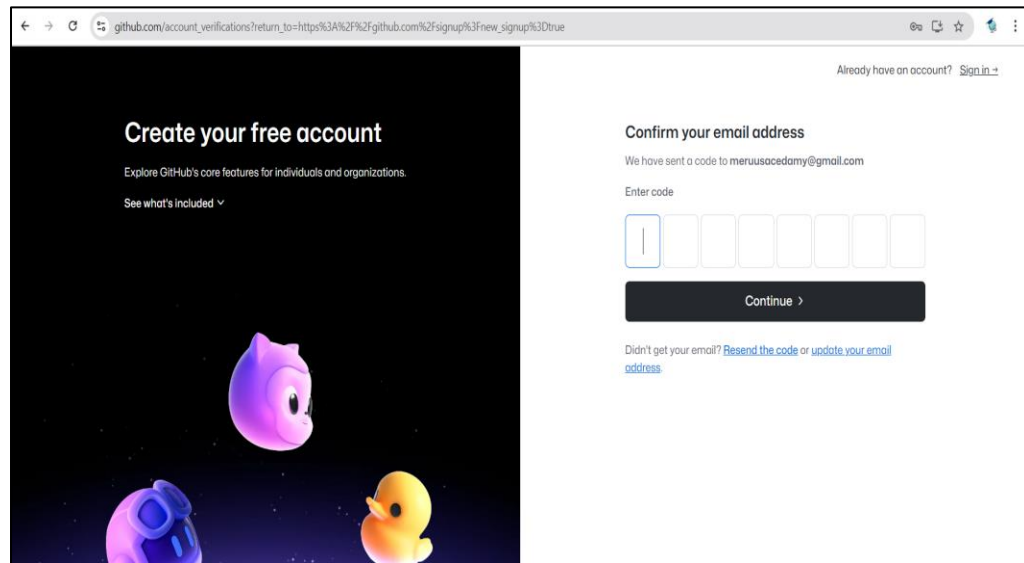
The screenshot shows the GitHub sign-up page. On the left, there's a dark banner with the text "Create your free account" and "Explore GitHub's core features for individuals and organizations." Below this, there are three GitHub mascots (Octocat, Blob, and Duck) in a space-themed background. On the right, the "Sign up to GitHub" form is visible. It includes fields for Email (examplegithub1@gmail.com), Password (masked with dots), and Username (exampleusername98). Each field has a green checkmark indicating it's valid. Below the password field, there's a note: "Password should be at least 15 characters OR at least 8 characters including a number and a lowercase letter." Below the username field, there's a note: "Username may only contain alphanumeric characters or single hyphens, and cannot begin or end with a hyphen." A "Continue >" button is at the bottom of the form. At the very bottom, there's a small disclaimer: "By creating an account, you agree to the Terms of Service. For more information about GitHub's privacy practices, see the GitHub Privacy Statement. We'll occasionally send you account-related emails."

- Resolve the puzzle and submit

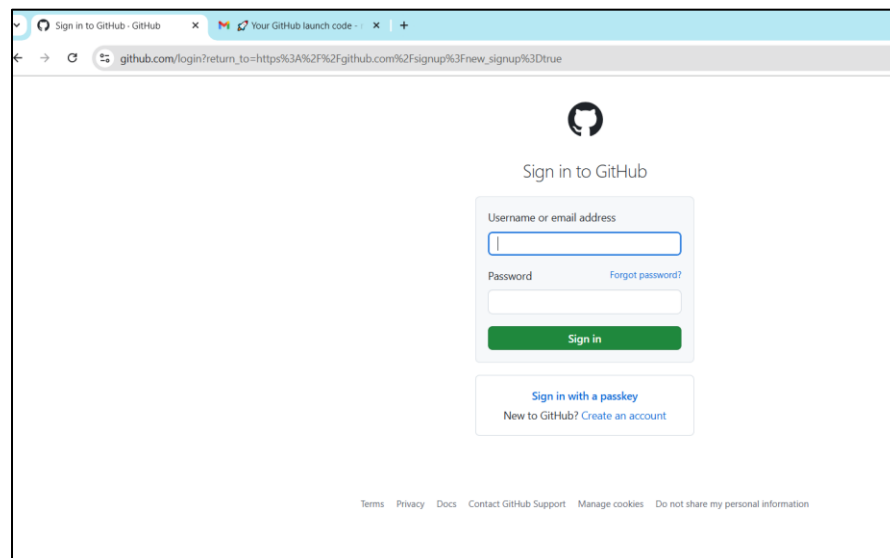


The screenshot shows the GitHub account verification step. The left banner is the same as in the previous screenshot. The right section is titled "Verify your account" and includes the instruction: "Use the arrows to rotate the object to face in the direction of the hand. (1 of 1)". Below this, there are two images: a hand pointing right and a 3D model of a yellow duck. The duck is currently facing left. Below the images, there are two arrows (left and right) and a progress indicator showing 1 out of 5 steps completed. A "Submit" button is below the progress indicator. At the bottom, there are two buttons: "Audio puzzle" and "Restart".

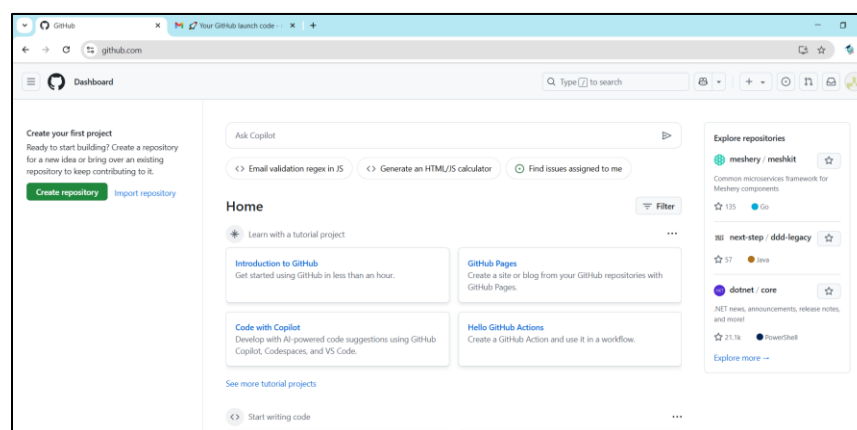
- A verification pin will send to your email. Check email and type it here.



- Then sign in to GitHub account.

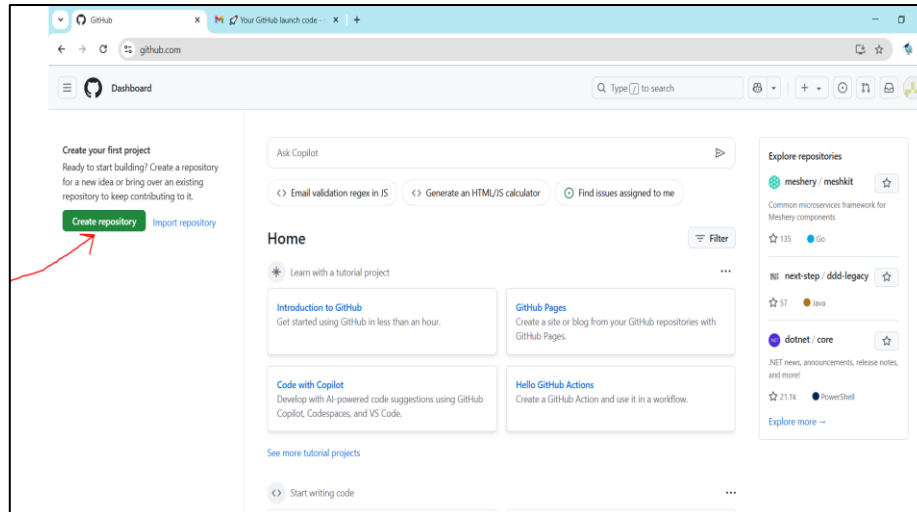


- You will see a window like below.

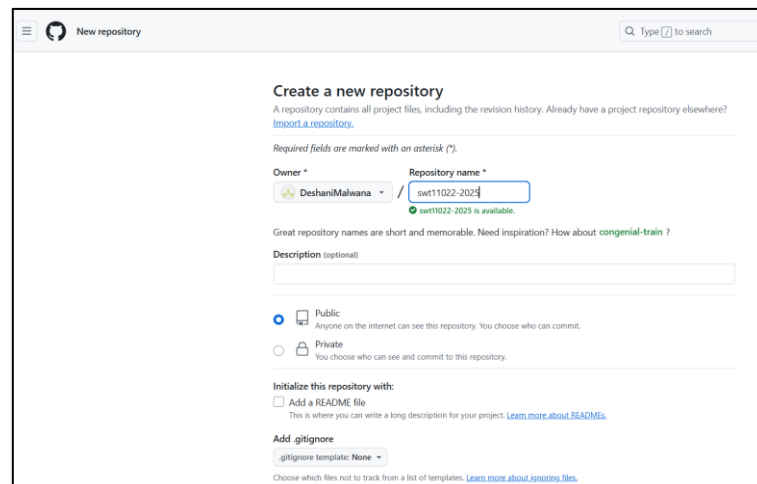


2. Creating a Repository:

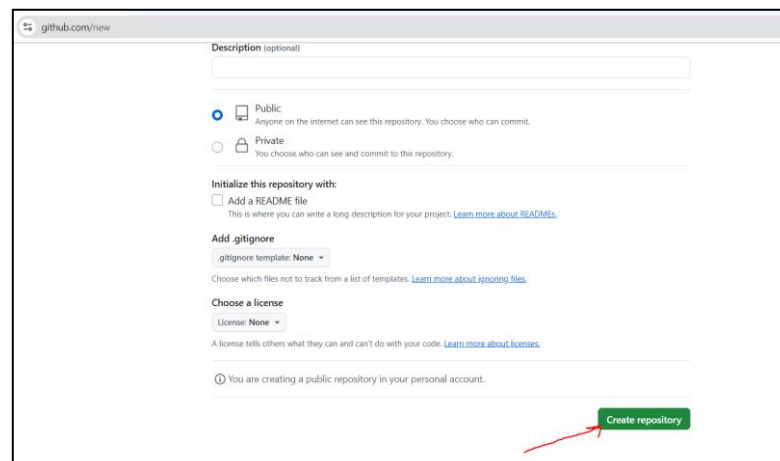
- Click on Create repository to create new repository on GitHub. You can name it "swt11022-2025"



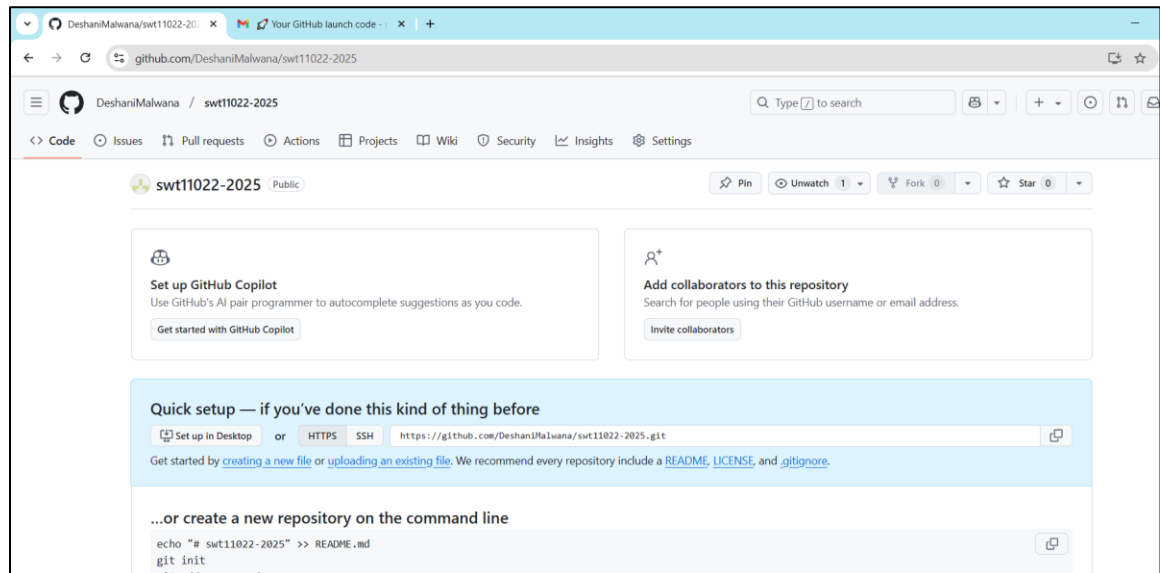
- Give a name as follows



- Scroll down and click on Create Repository



- After that, you will see a window like below.

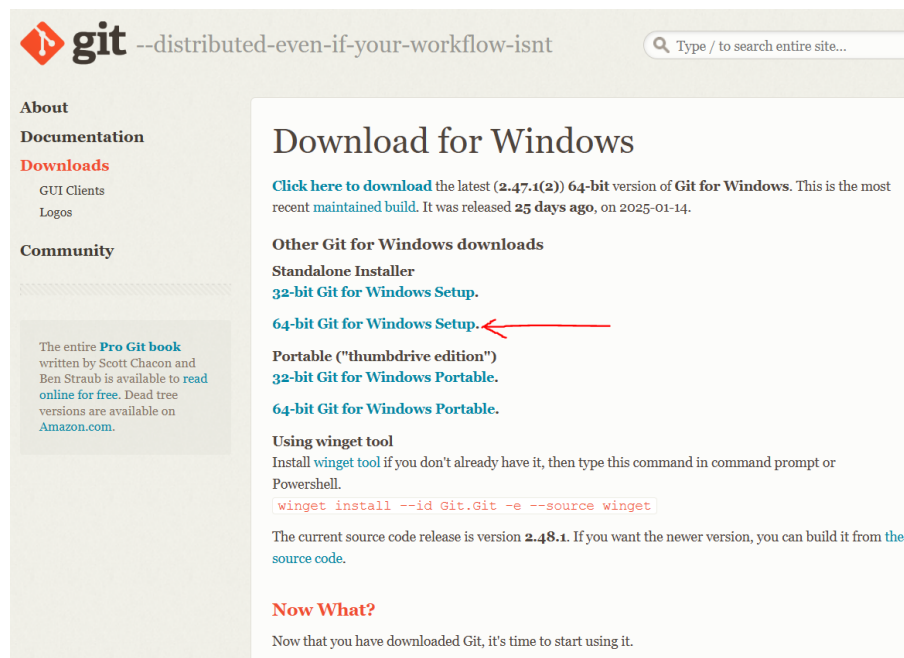


3. Git installation steps:

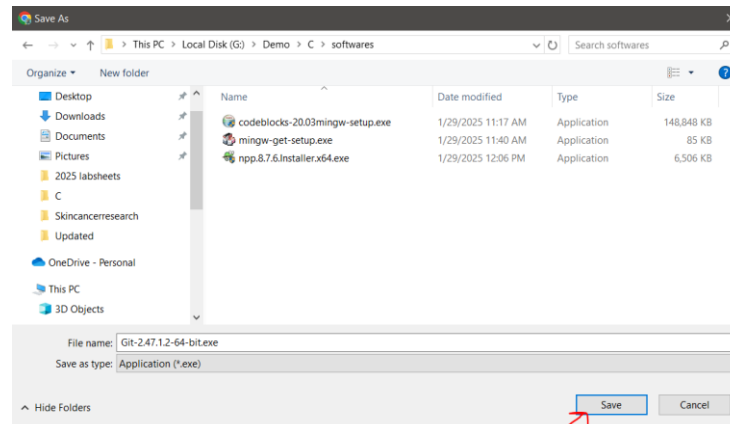
- Go to this link- <https://git-scm.com/>
- Click on Download for Windows.



- Click on below one



- Click on Save



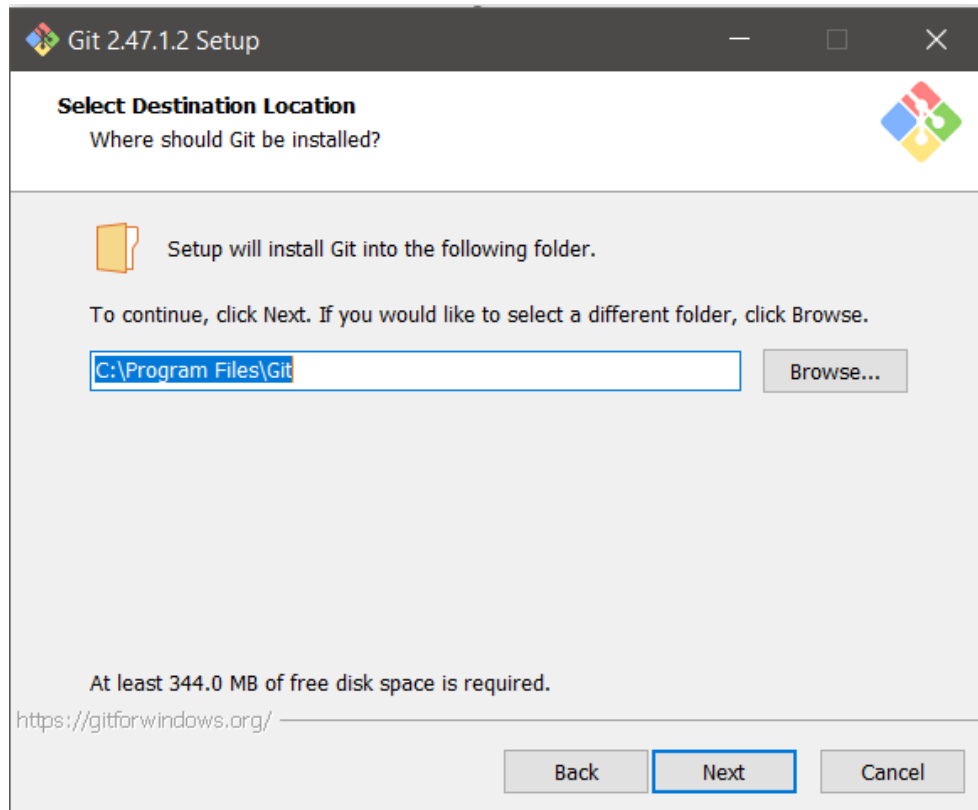
- Click on exe file.

Name	Date modified	Type	Size
codeblocks-20.03mingw-setup.exe	1/29/2025 11:17 AM	Application	148,848 KB
gcc-14.2.0-no-debug.7z	1/29/2025 9:42 AM	7z Archive	65,332 KB
Git-2.47.1.2-64-bit.exe	2/8/2025 10:57 AM	Application	67,478 KB
mingw-get-setup.exe	1/29/2025 11:40 AM	Application	85 KB
npp.8.7.6.Installer.x64.exe	1/29/2025 12:06 PM	Application	6,506 KB

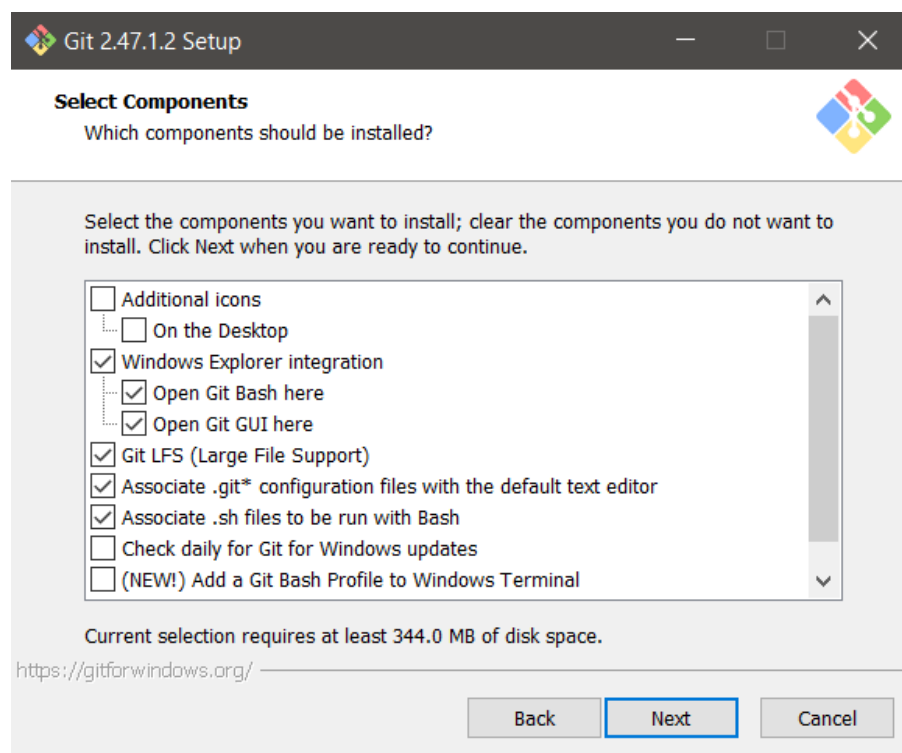
- Click on Yes → Click Next



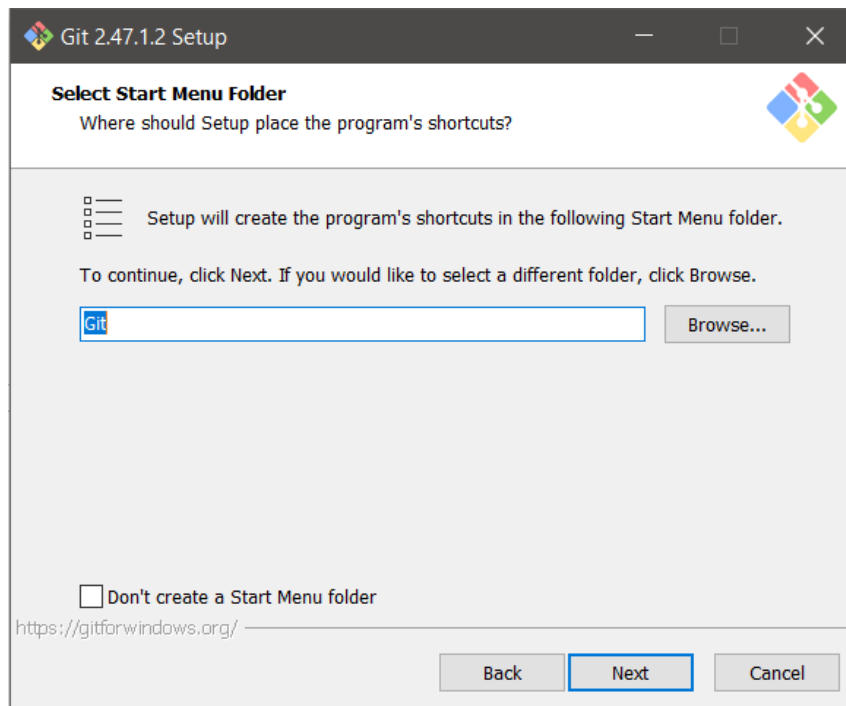
- Click Next



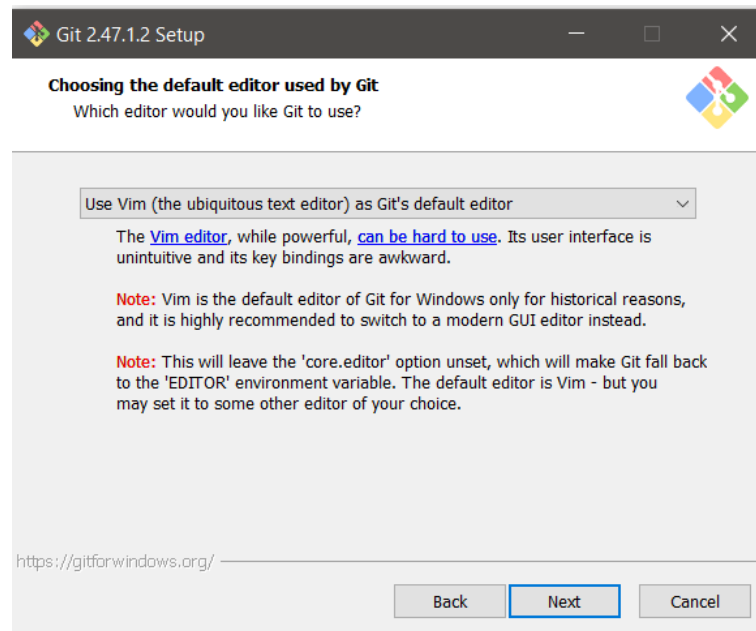
- Click Next



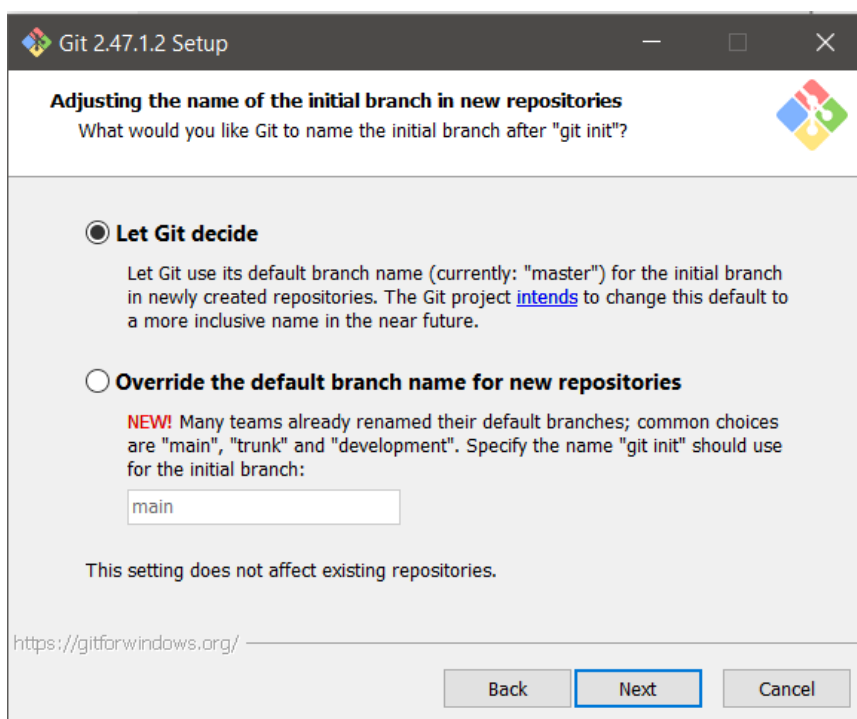
- Click Next



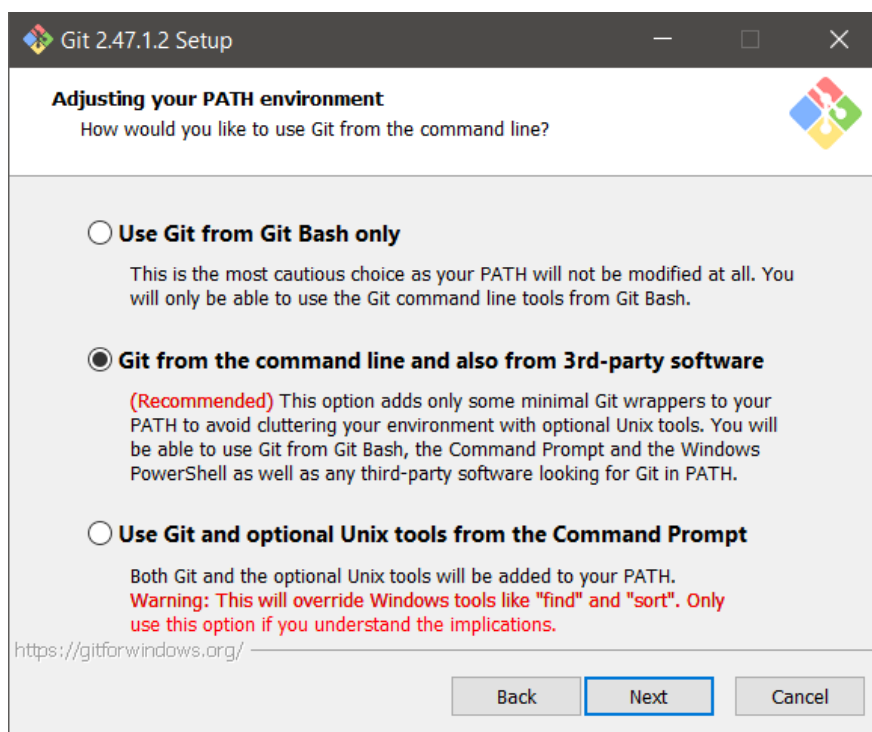
- Click Next



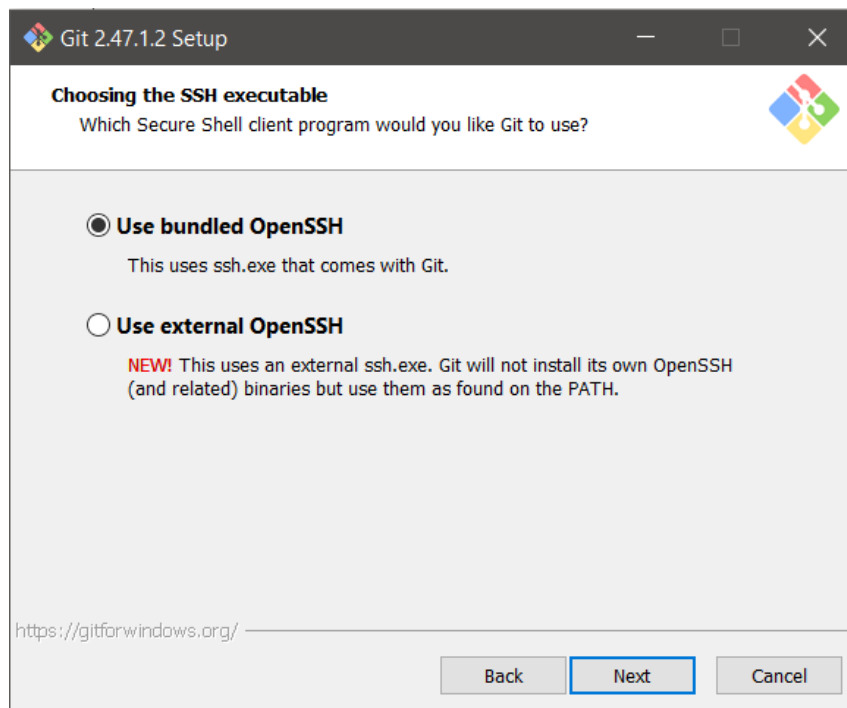
- Click on Next



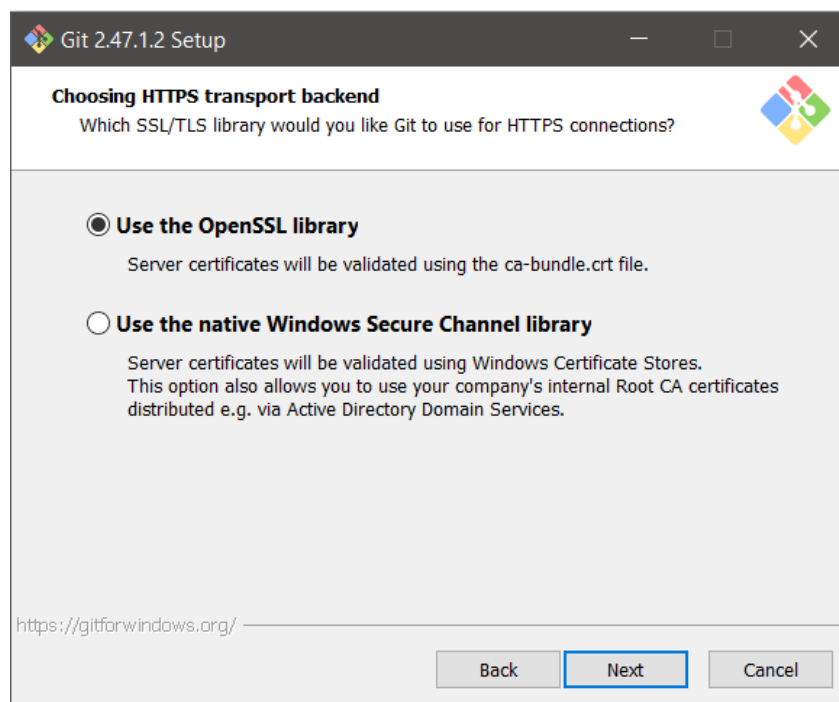
- Click Next



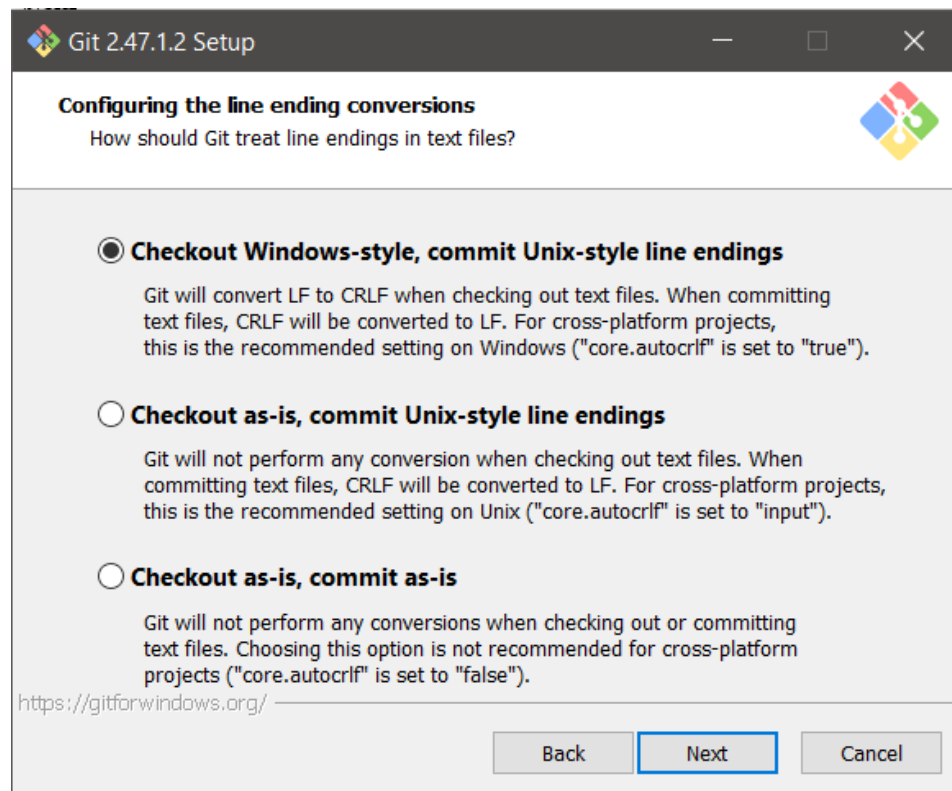
- Click on Next



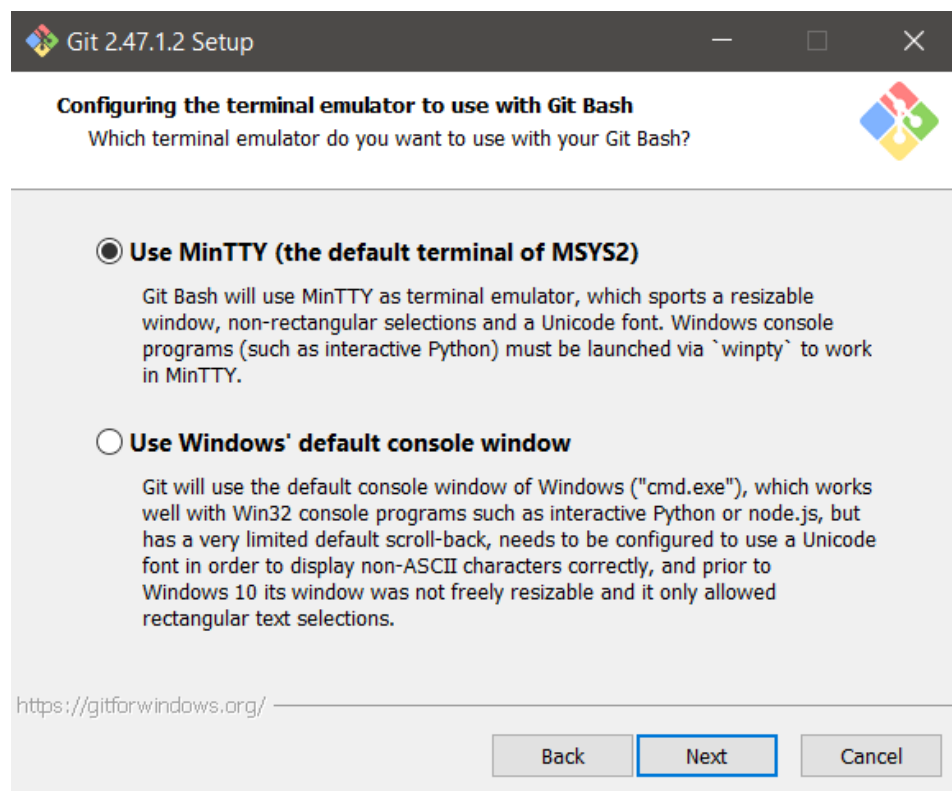
- Click on Next



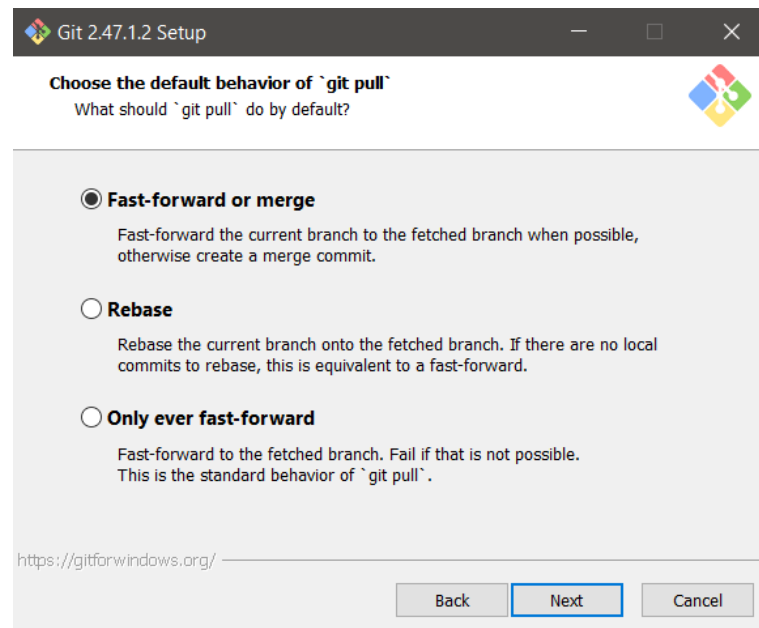
- Click on Next



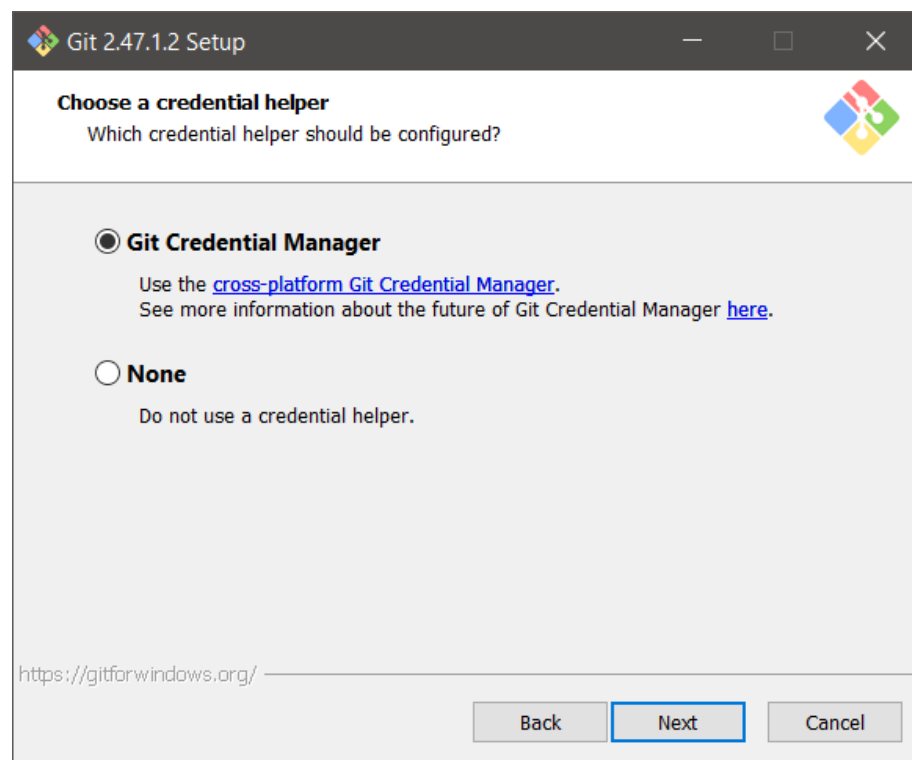
- Click on Next



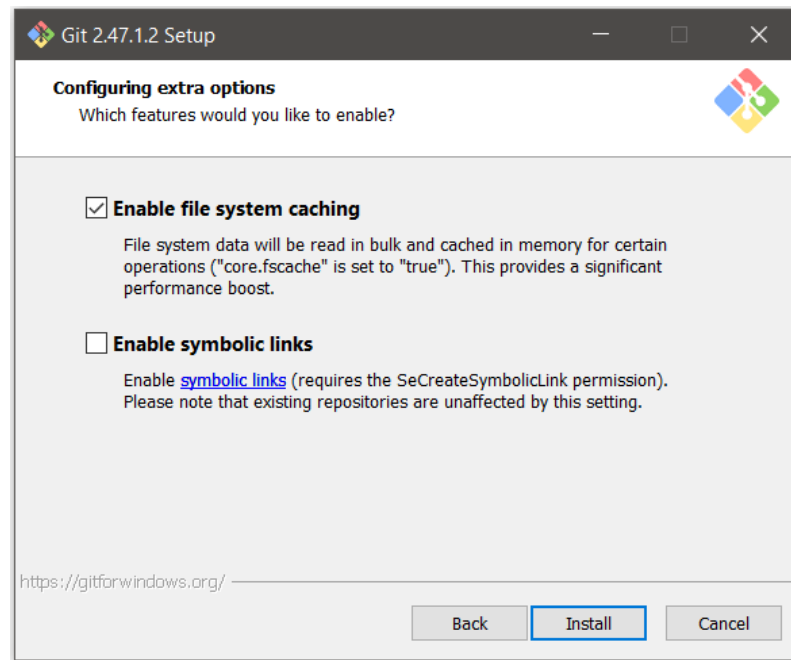
- Click on Next



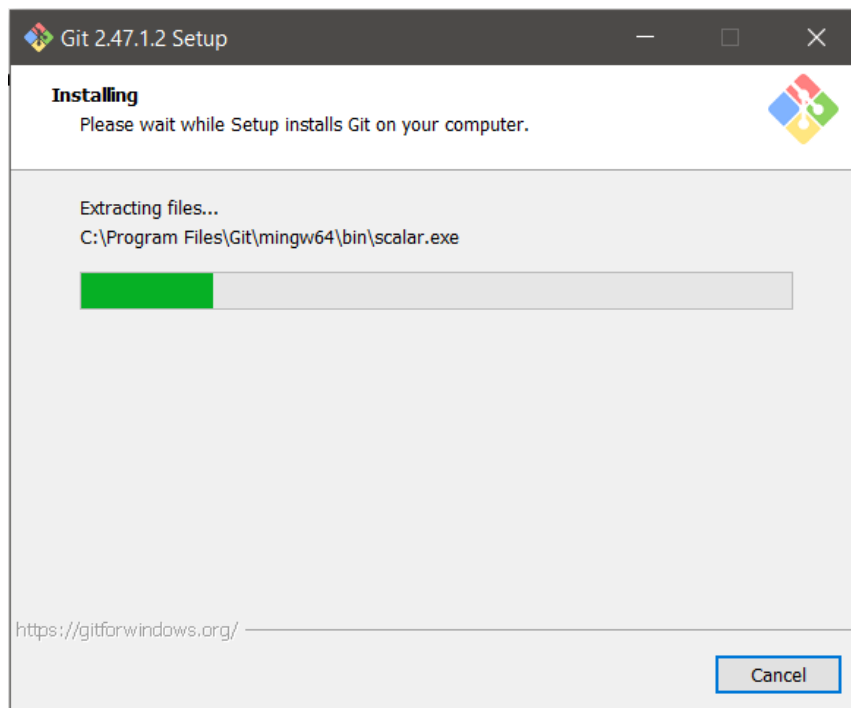
- Click Next



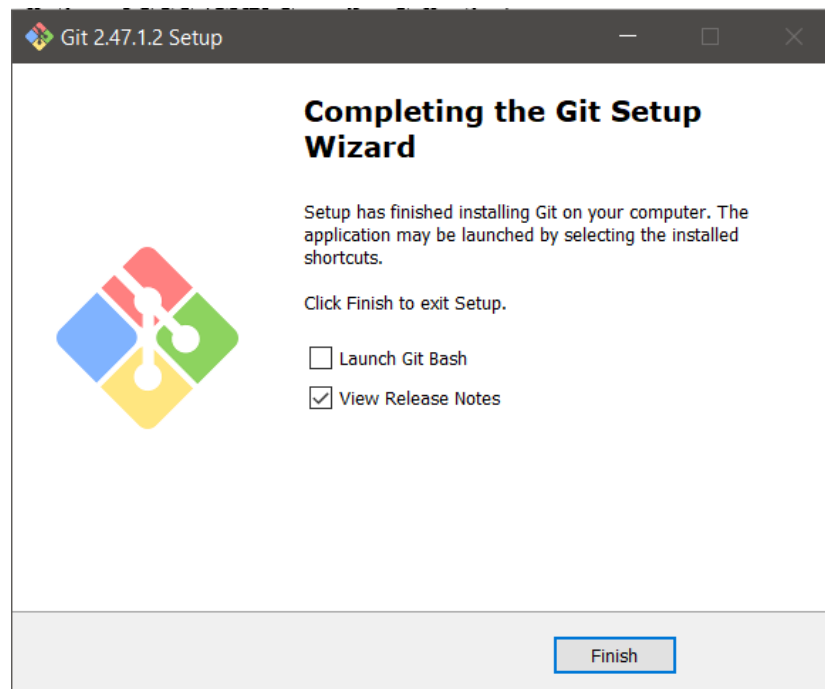
- Click on Install



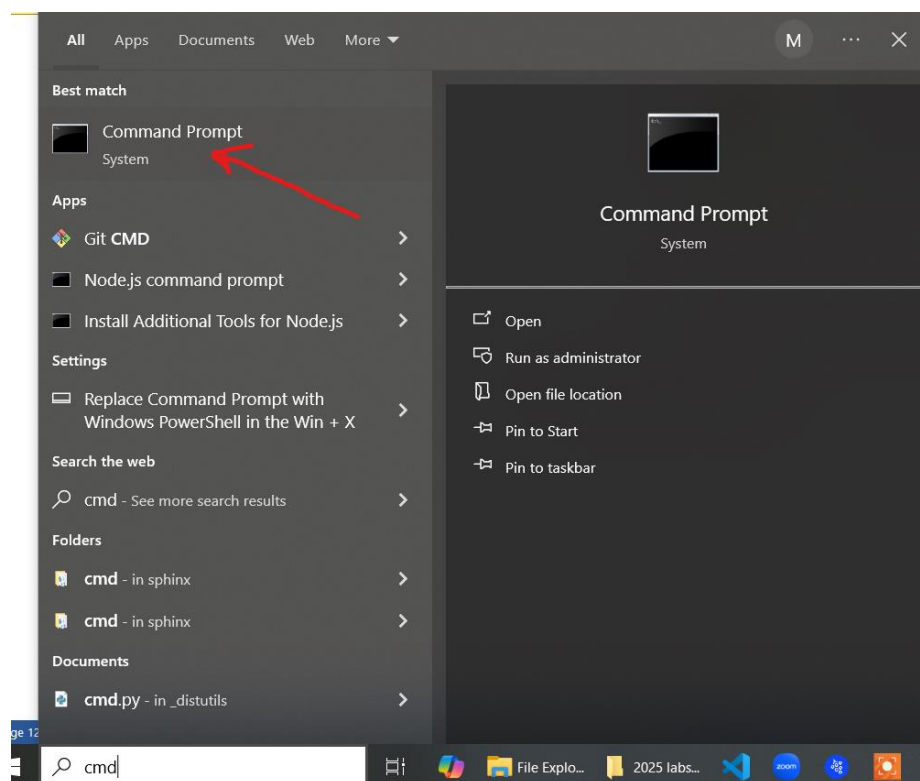
- It will start to install



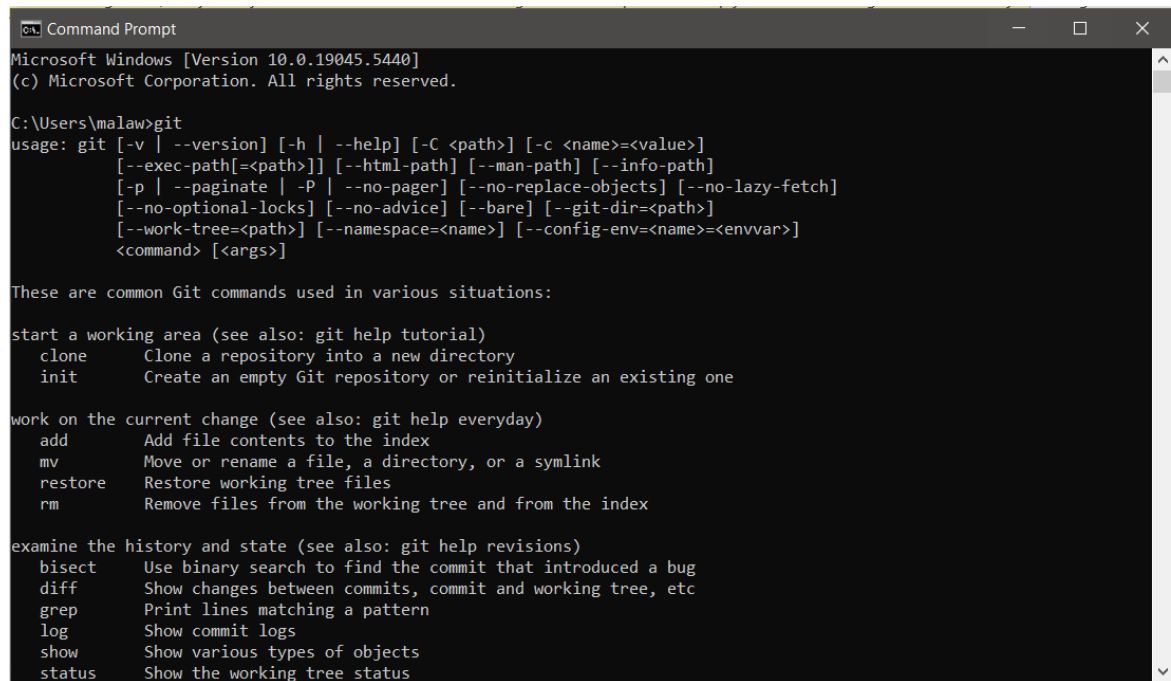
- Click on Finish



- Check whether it install successfully.
 - In search bar type as cmd and click on below one.



- Type git, it will show the all commands and details.



```

C:\Users\malaw>git
Microsoft Windows [Version 10.0.19045.5440]
(c) Microsoft Corporation. All rights reserved.

C:\Users\malaw>git
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
          [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
          [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--no-lazy-fetch]
          [--no-optional-locks] [--no-advice] [--bare] [--git-dir=<path>]
          [--work-tree=<path>] [--namespace=<name>] [--config-env=<name>=<envvar>]
          <command> [<args>]

These are common Git commands used in various situations:

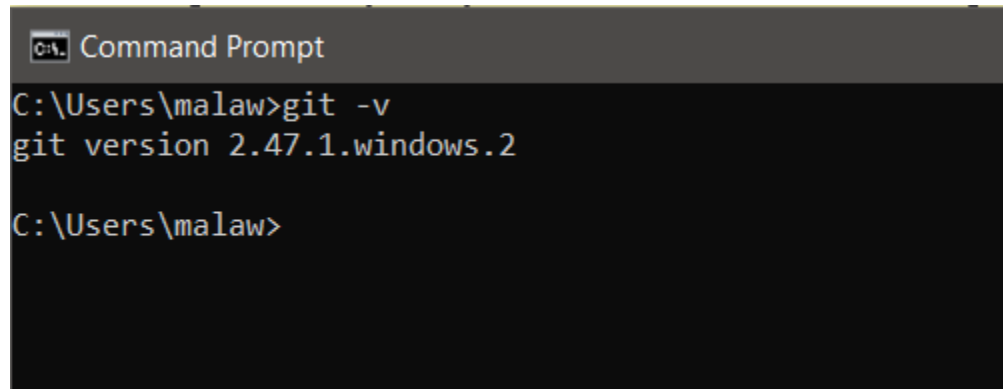

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one


work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index


examine the history and state (see also: git help revisions)
  bisect     Use binary search to find the commit that introduced a bug
  diff       Show changes between commits, commit and working tree, etc
  grep       Print lines matching a pattern
  log        Show commit logs
  show       Show various types of objects
  status     Show the working tree status

```

- Type git -v to check version.



```

C:\Users\malaw>git -v
git version 2.47.1.windows.2

C:\Users\malaw>

```

