GIT Installation Guide for Windows

Submitted by

Roll No	Name of Students
ST118183	Vyshnavi Raja
st118237	Akhileshwar Reddy

Course instructor
Dr. Apichon Witayangkurn

Department of Computer Science and Information Management
ASIAN INSTITUTE OF TECHNOLOGY THAILAND

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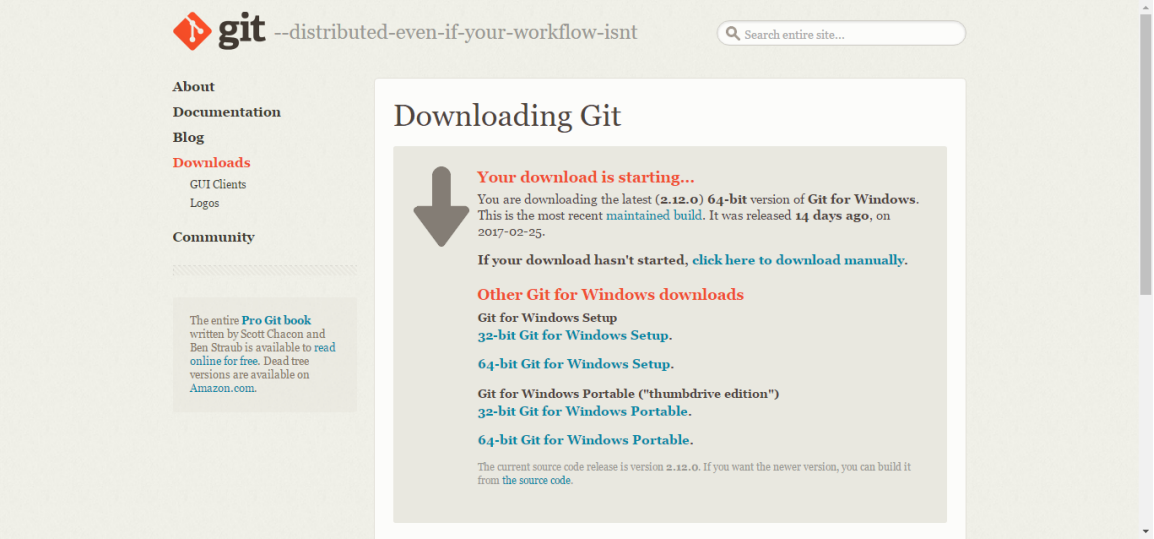
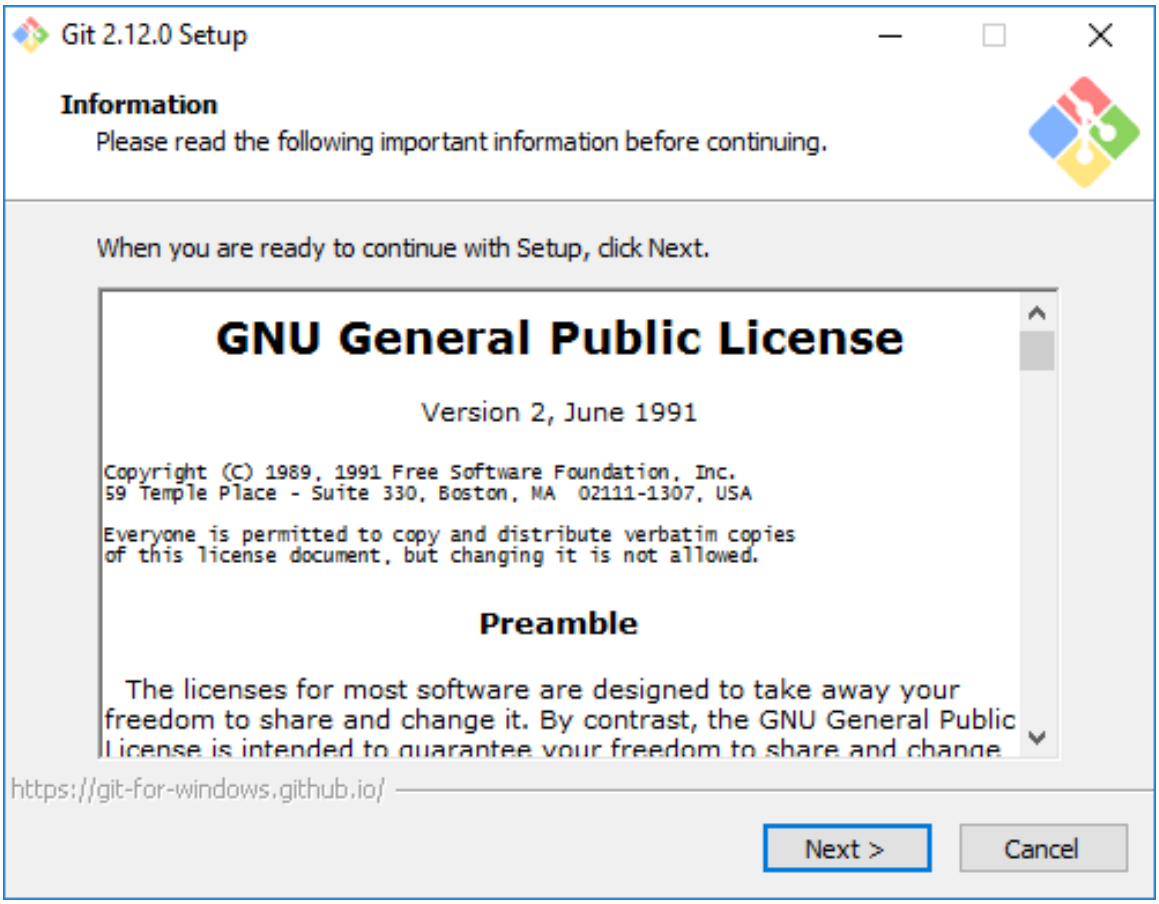
GIT INSTALLATION GUIDE FOR WINDOWS

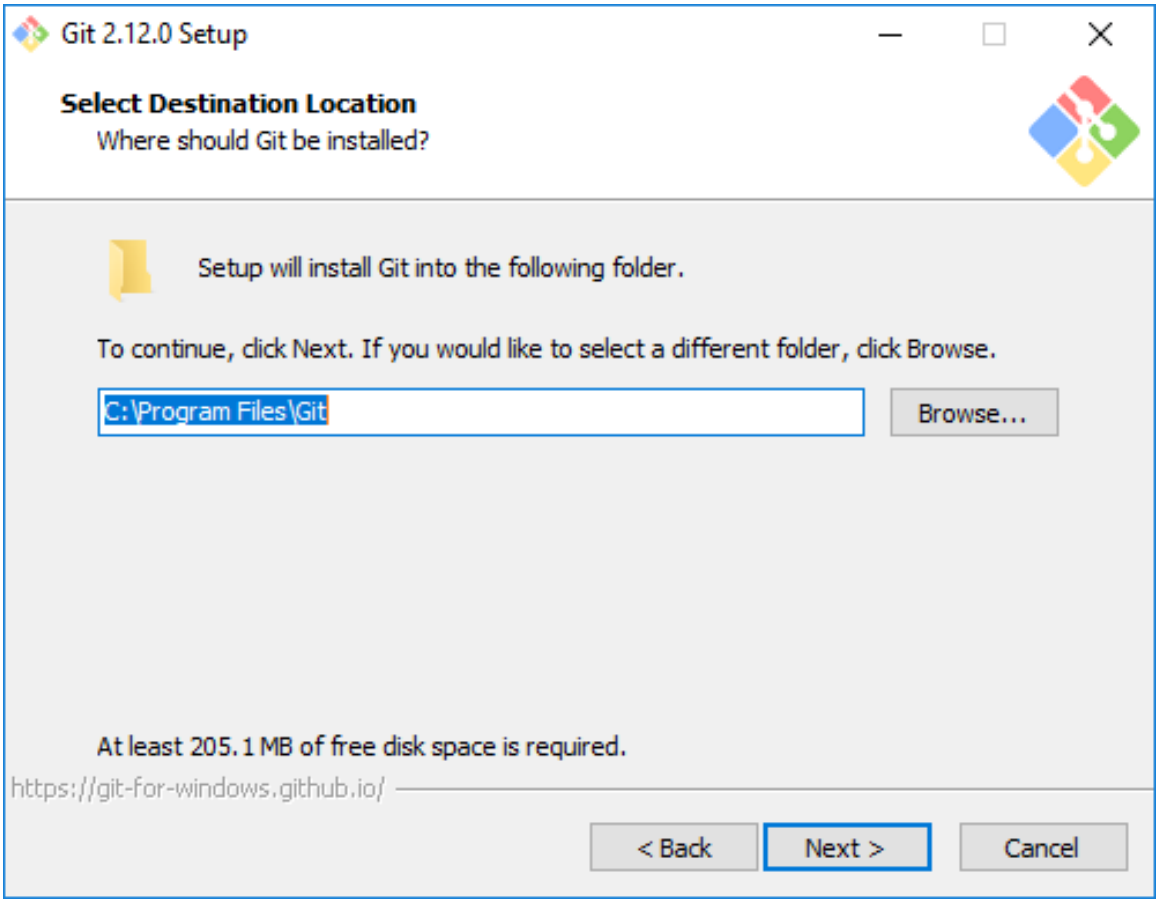
STEP1: install git .exe file from
https://git-scm.com/download/win

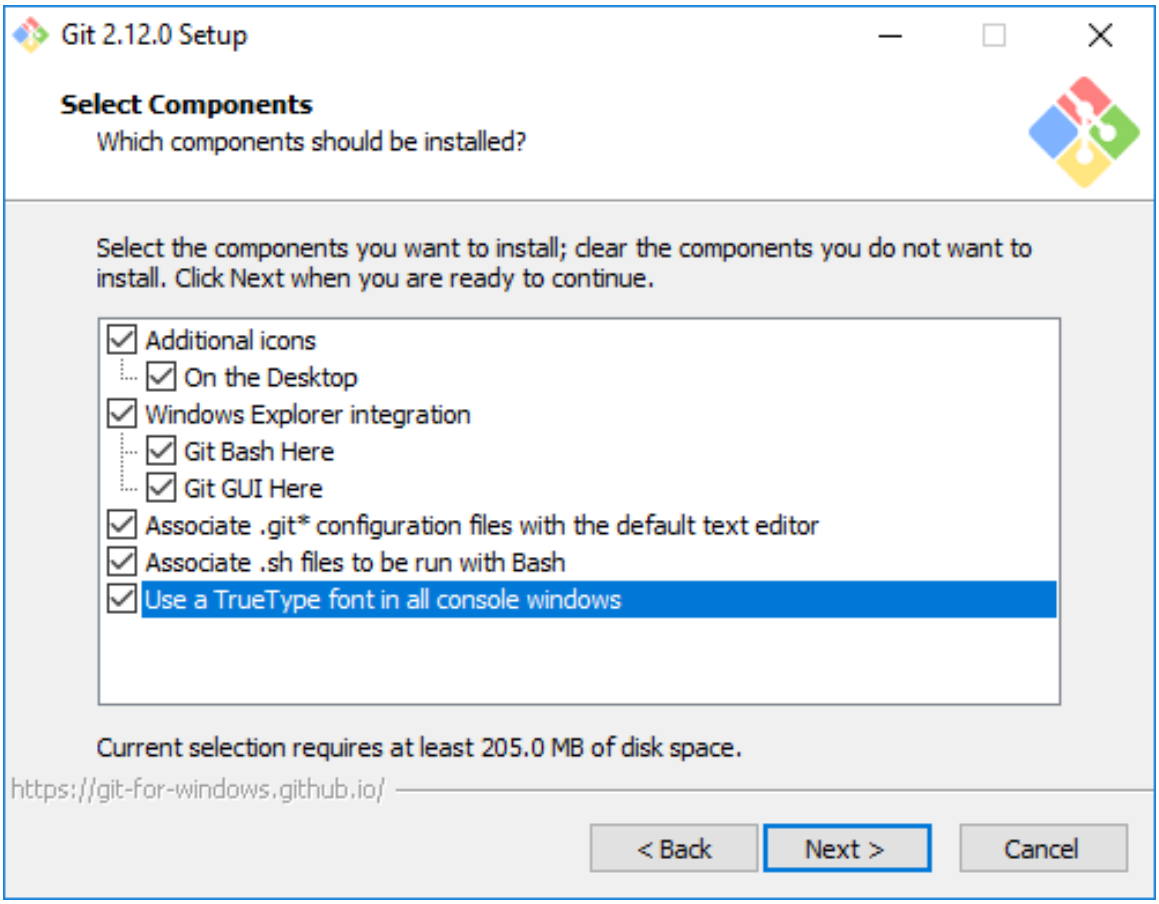


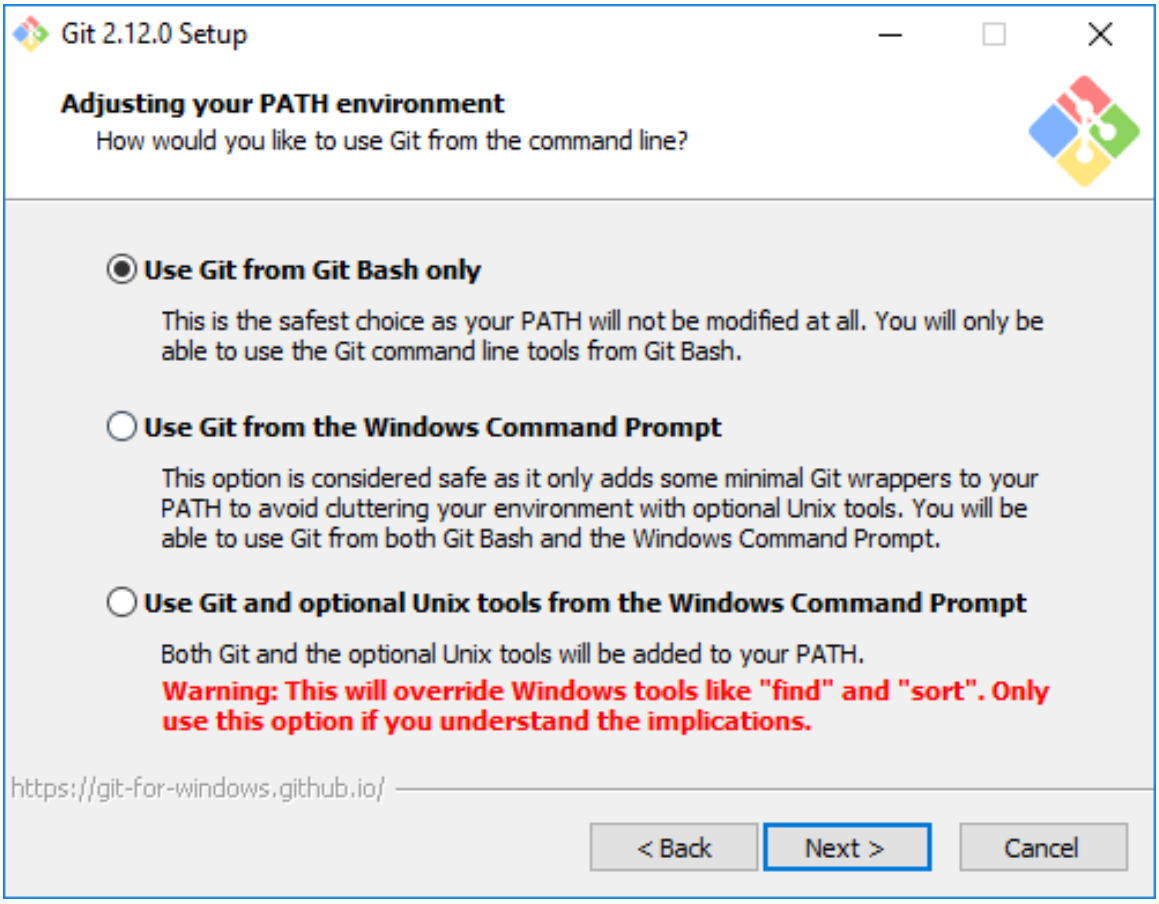
Select download file according to your system ie. 32 bit or 64 bit installation file.

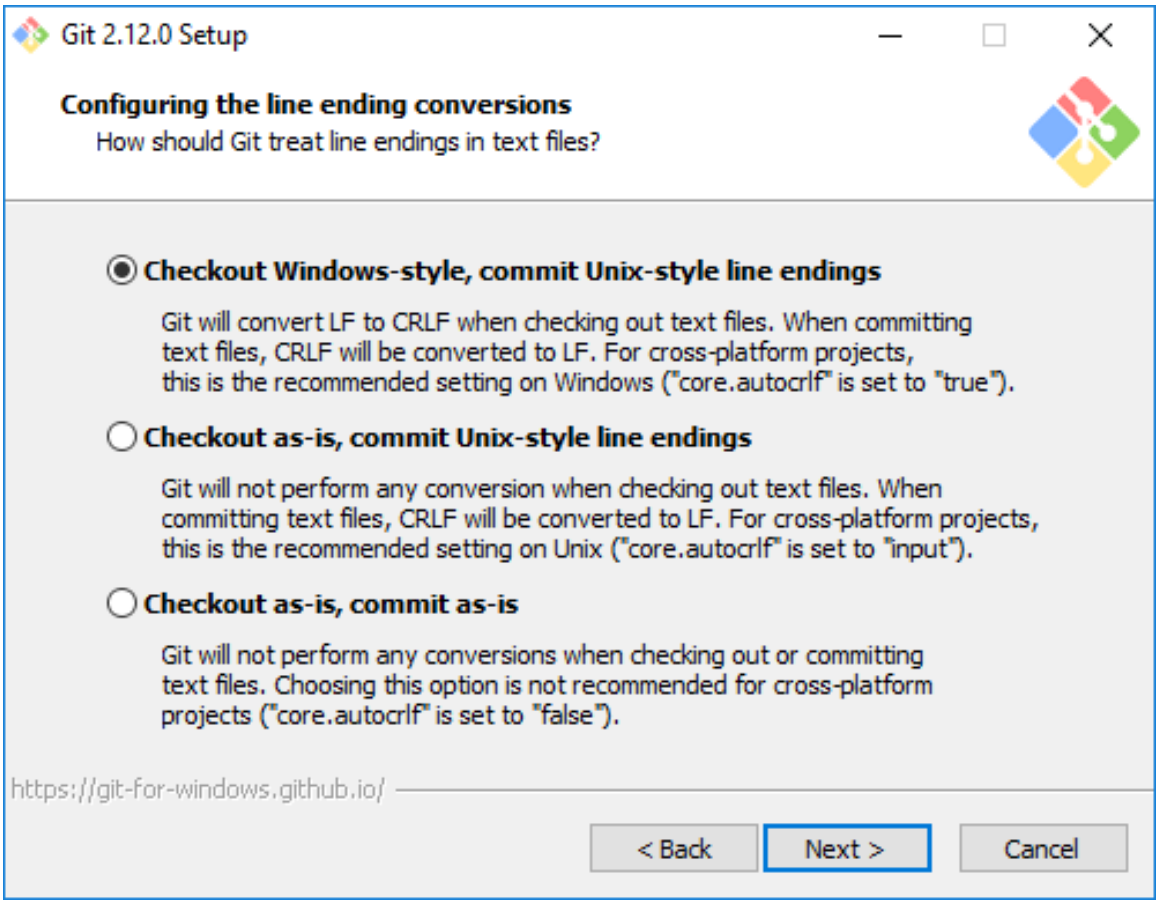
STEP2: After installing the file run the .exe file, run the .exe file and follow below instructions

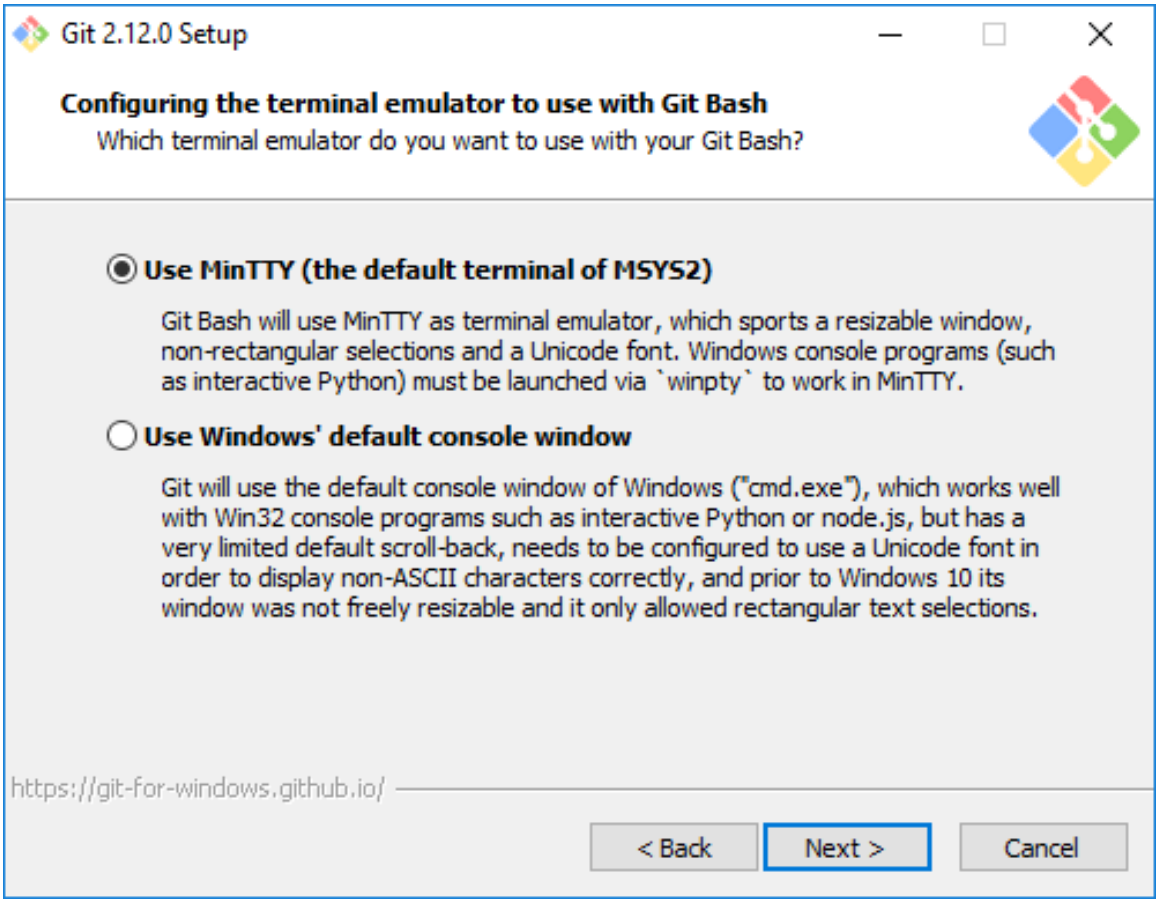

Git 2.12.0 Setup
Information
Please read the following important information before continuing.
When you are ready to continue with Setup, click Next.
GNU General Public License
Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble
The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
https://git-for-windows.github.io/
Next >
Cancel

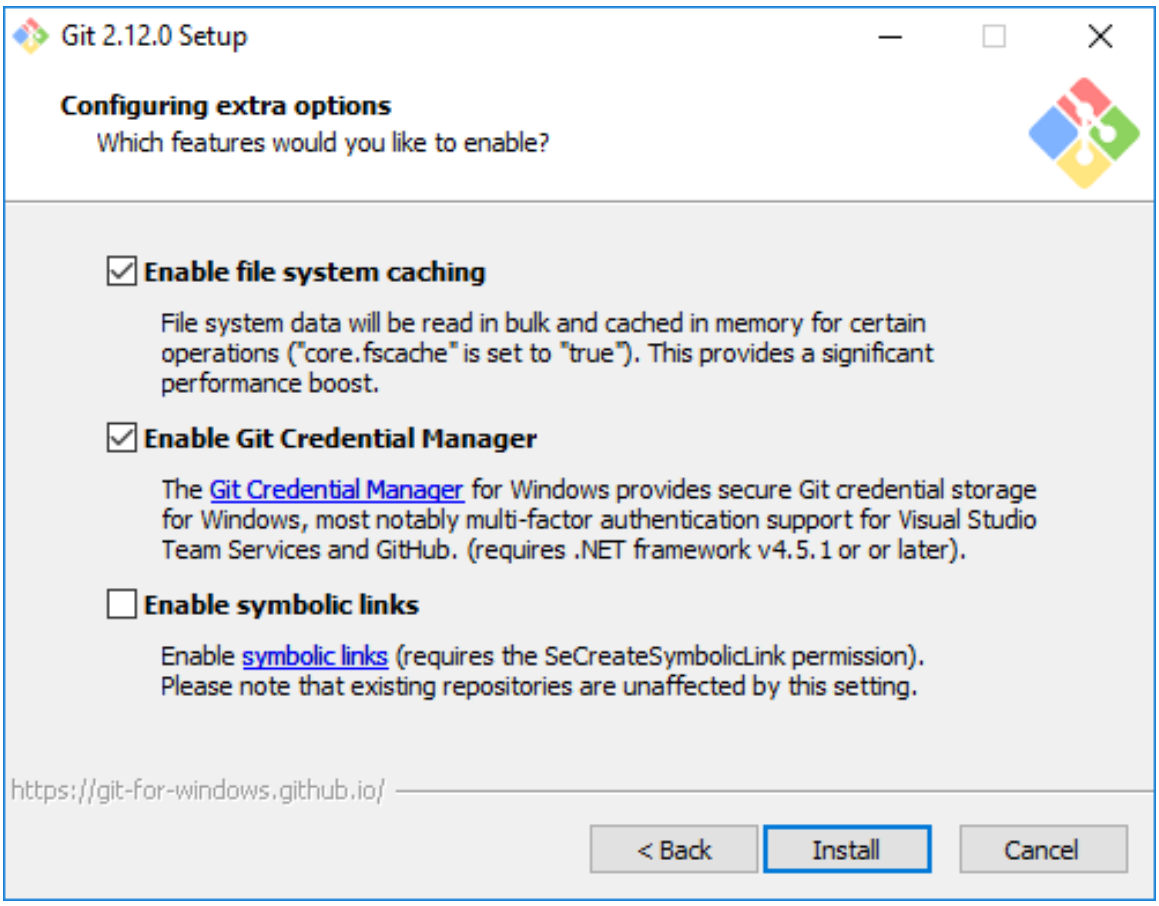

Git 2.12.0 Setup
Select Destination Location
Where should Git be installed?
Setup will install Git into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Git
Browse...
At least 205.1 MB of free disk space is required.
https://git-for-windows.github.io/
< Back
Next >
Cancel

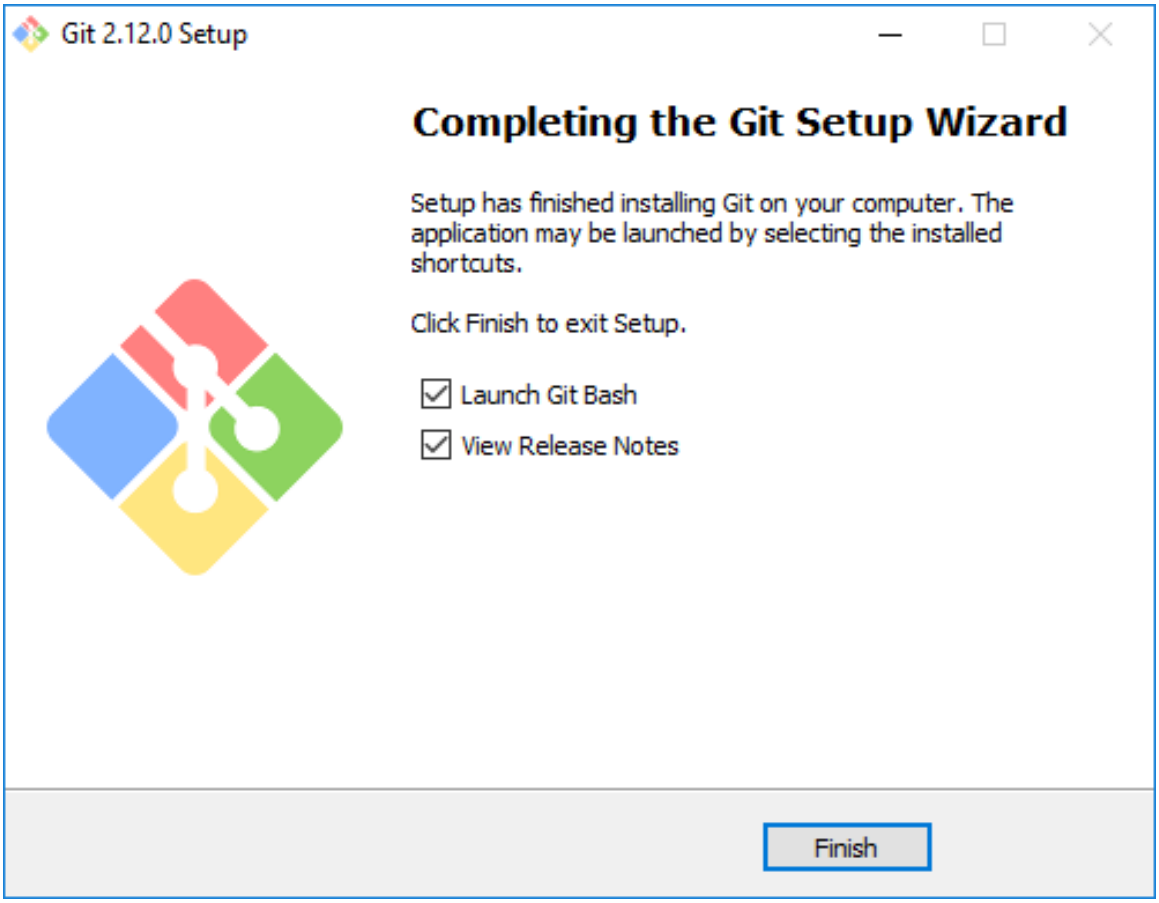

Git 2.12.0 Setup
Select Components
Which components should be installed?
Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.
Additional icons
On the Desktop
Windows Explorer integration
Git Bash Here
Git GUI Here
Associate .git* configuration files with the default text editor
Associate .sh files to be run with Bash
Use a TrueType font in all console windows
Current selection requires at least 205.0 MB of disk space.
https://git-for-windows.github.io/
< Back
Next >
Cancel


Git 2.12.0 Setup
Adjusting your PATH environment
How would you like to use Git from the command line?
Use Git from Git Bash only
This is the safest choice as your PATH will not be modified at all. You will only be able to use the Git command line tools from Git Bash.
Use Git from the Windows Command Prompt
This option is considered safe as it only adds some minimal Git wrappers to your PATH to avoid cluttering your environment with optional Unix tools. You will be able to use Git from both Git Bash and the Windows Command Prompt.
Use Git and optional Unix tools from the Windows Command Prompt
Both Git and the optional Unix tools will be added to your PATH.
Warning: This will override Windows tools like "find" and "sort". Only use this option if you understand the implications.
https://git-for-windows.github.io/
< Back
Next >
Cancel

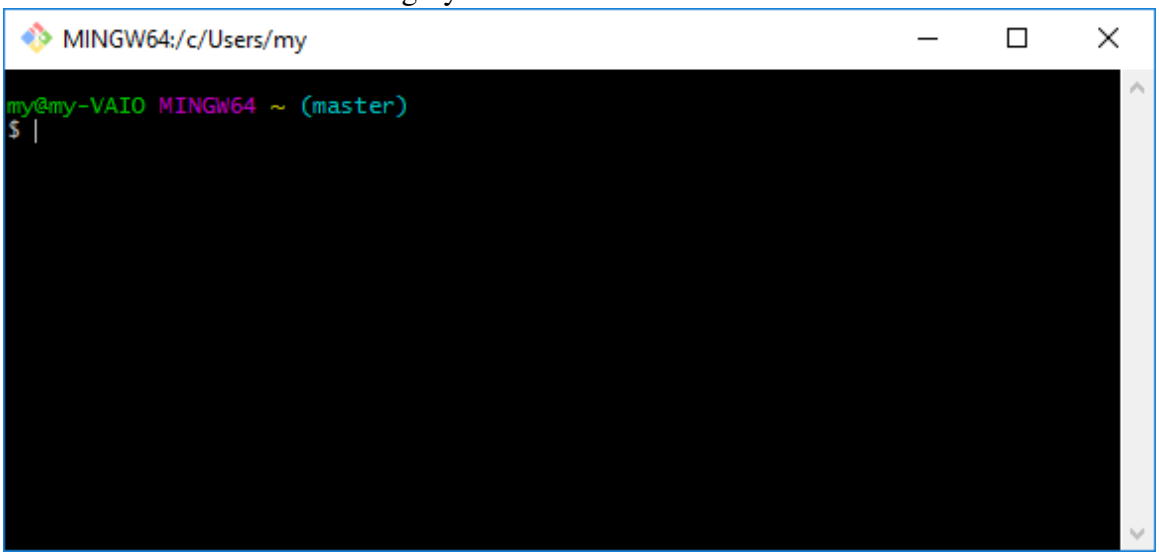

Git 2.12.0 Setup
Configuring the line ending conversions
How should Git treat line endings in text files?
Checkout Windows-style, commit Unix-style line endings
Git will convert LF to CRLF when checking out text files. When committing text files, CRLF will be converted to LF. For cross-platform projects, this is the recommended setting on Windows ("core.autocrlf" is set to "true").
Checkout as-is, commit Unix-style line endings
Git will not perform any conversion when checking out text files. When committing text files, CRLF will be converted to LF. For cross-platform projects, this is the recommended setting on Unix ("core.autocrlf" is set to "input").
Checkout as-is, commit as-is
Git will not perform any conversions when checking out or committing text files. Choosing this option is not recommended for cross-platform projects ("core.autocrlf" is set to "false").
https://git-for-windows.github.io/
< Back
Next >
Cancel


Git 2.12.0 Setup
Configuring the terminal emulator to use with Git Bash
Which terminal emulator do you want to use with your Git Bash?
Use MinTTY (the default terminal of MSYS2)
Git Bash will use MinTTY as terminal emulator, which sports a resizable window, non-rectangular selections and a Unicode font. Windows console programs (such as interactive Python) must be launched via `winpty` to work in MinTTY.
Use Windows' default console window
Git will use the default console window of Windows ("cmd.exe"), which works well with Win32 console programs such as interactive Python or node.js, but has a very limited default scroll-back, needs to be configured to use a Unicode font in order to display non-ASCII characters correctly, and prior to Windows 10 its window was not freely resizable and it only allowed rectangular text selections.
https://git-for-windows.github.io/
< Back
Next >
Cancel


Git 2.12.0 Setup
Configuring extra options
Which features would you like to enable?
Enable file system caching
File system data will be read in bulk and cached in memory for certain operations ("core.fscache" is set to "true"). This provides a significant performance boost.
Enable Git Credential Manager
The Git Credential Manager for Windows provides secure Git credential storage for Windows, most notably multi-factor authentication support for Visual Studio Team Services and GitHub. (requires .NET framework v4.5.1 or or later).
Enable symbolic links
Enable symbolic links (requires the SeCreateSymbolicLink permission).
Please note that existing repositories are unaffected by this setting.
https://git-for-windows.github.io/
< Back
Install
Cancel



After successful installation of git you should be able to see the below screen.



GIT INSTALLATION GUIDE FOR UBUNTU

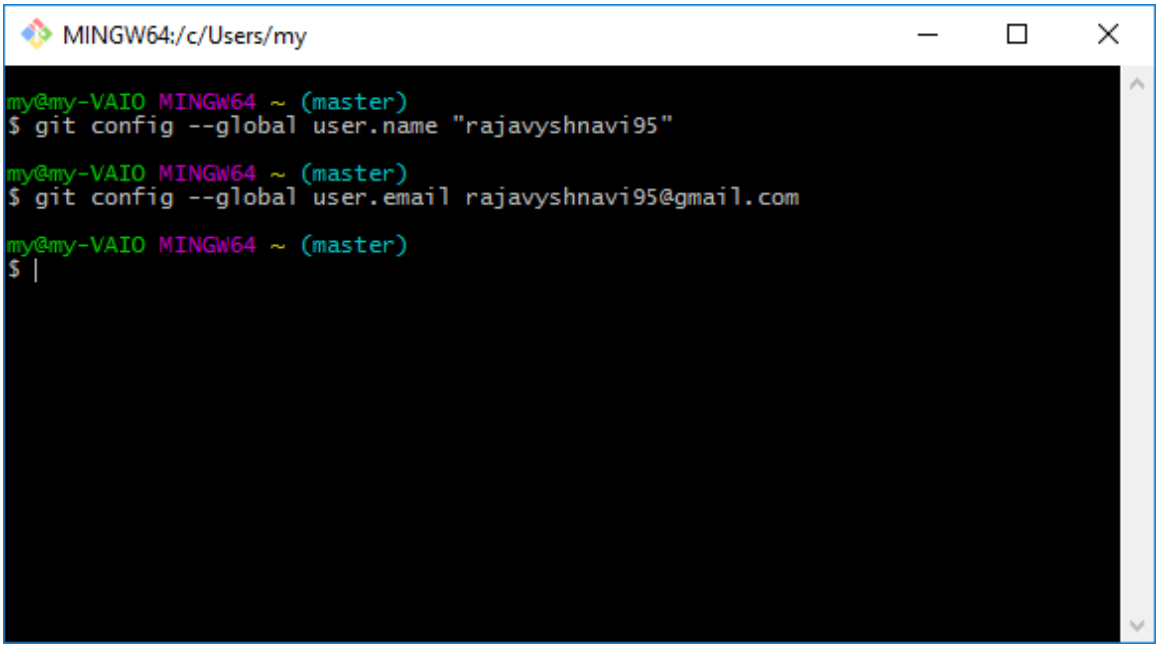
$ sudo apt-get update

$ sudo apt-get install git

GIT BASICS
Now after installation our first step is to give our identity to git.
give your emailid and username instead of ”your username” and ”youremail” in below commands

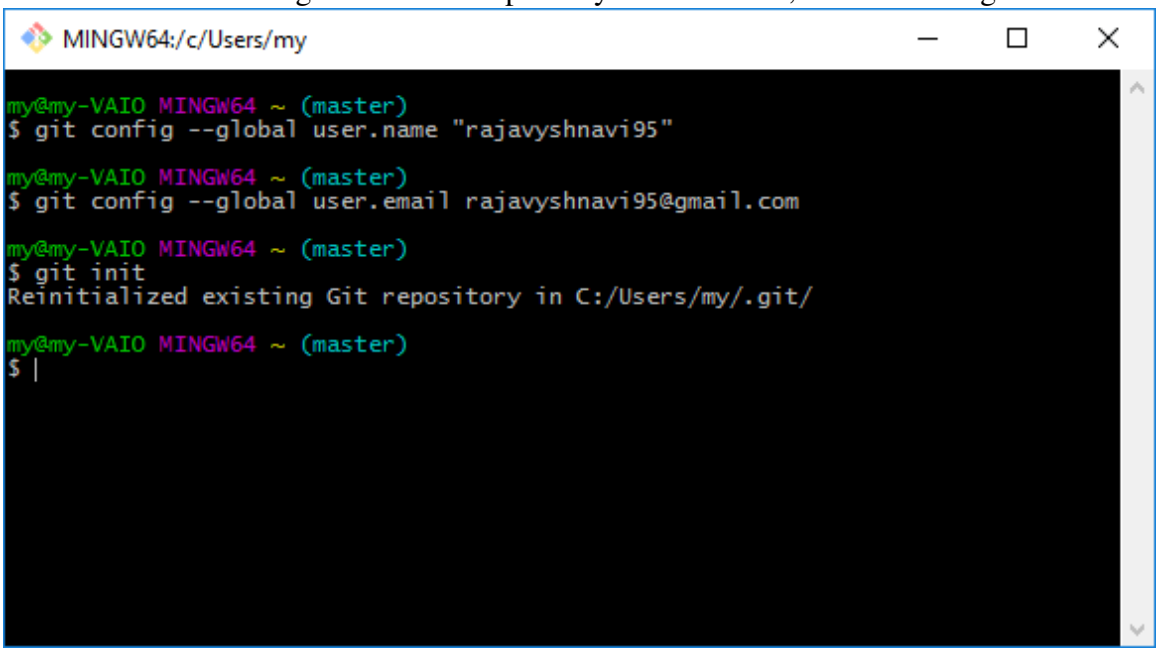
$ git config –global user.name ”Your username”

$ git config –global user.email youremail

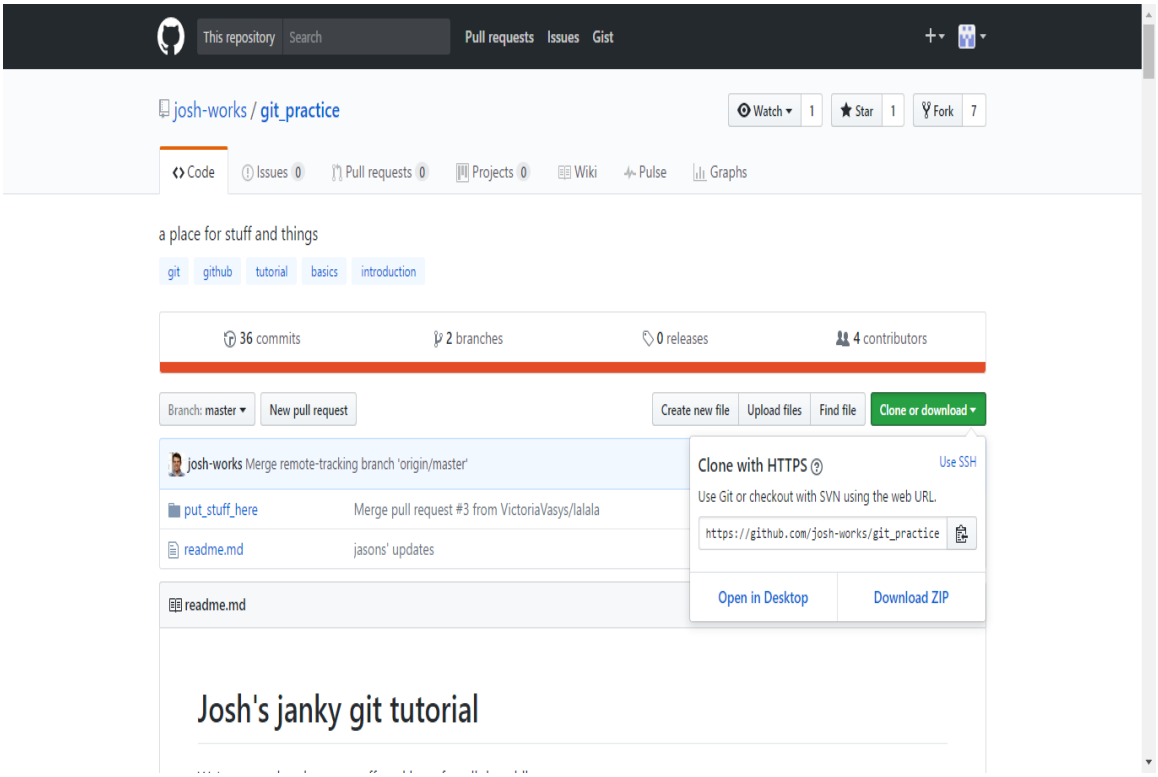


Next we need to create a repository and command for this is
$ git init

Note: As I am installing second time repository is not created, its reinitalizing.

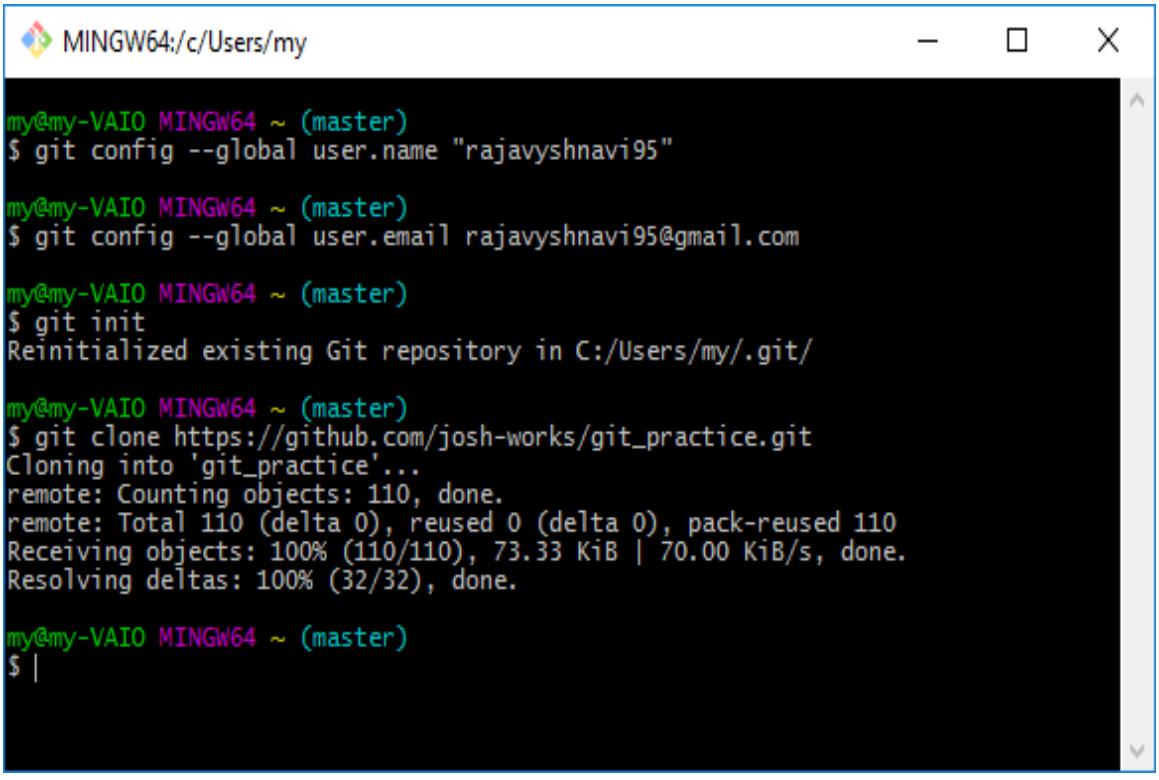


Now we will do the basic and important feature on GIT ”cloning ”.aThe command to clone any content from GIT is
$ git clone Url



eg: If we want to download or clone the below file from git hub then our command is

$ git clone https://github.com/josh-works/git_practice.git



Basic GIT commands

BRANCH MANAGEMENT

Create new Branch

```
$ git branch iss53
$ git checkout -b iss53 master
```

Switch Branch

```
$ git checkout iss53
```

Delete Branch

```
$ git branch -d iss53
```

Show All Branch

```
$ git branch -d iss53
    iss53
  * master
    testing
```