

STAR LION COLLEGE OF ENGINEERING AND TECHNOLOGY

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Project	Personal Blog on IBM Cloud Static Web apps
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Personal Blog on IBM Cloud Static Web Apps

Phase-3 Submission Document

Project Title: Personal Travel Blog

Phase 4 : Development Part-2

In this part you will continue building your project.

- Continue building the travel blog by setting up the IBM Cloud Static Web App and deploying the website.
- Sign up for an IBM Cloud account.
- Create a new Static Web App and follow the prompts to set up the repository, build pipeline, and deployment options.
- Choose a static site generator like Jekyll or Hugo to make it easy to update and manage the blog content. This would involve converting your HTML content into template files that can be easily updated.

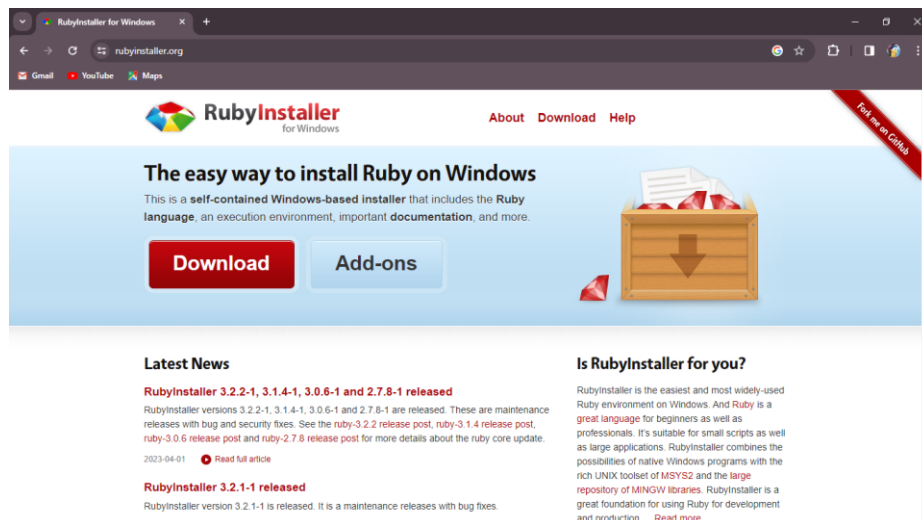
Required Applications:

1. Ruby
2. Git
3. Github
4. IBM Cloud

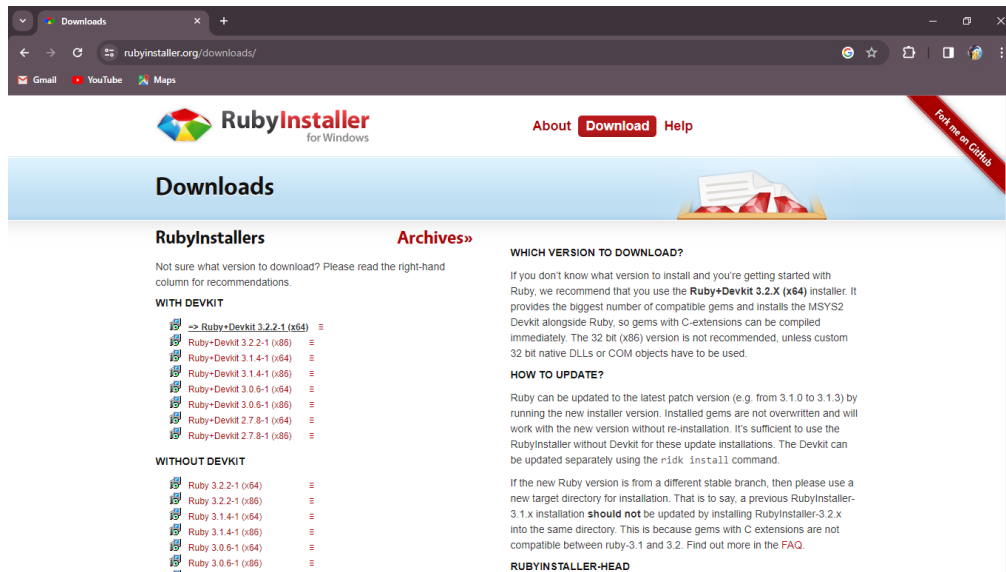
There are the steps to install and deploy the web application,

1.Ruby:

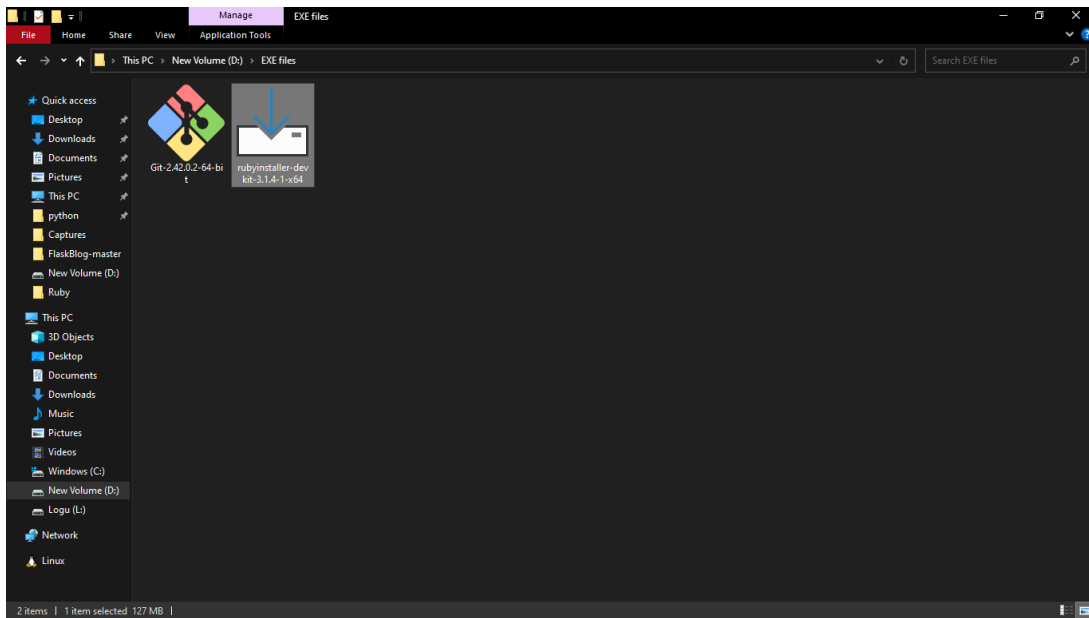
Download the ruby from the website : <https://rubyinstaller.org/>



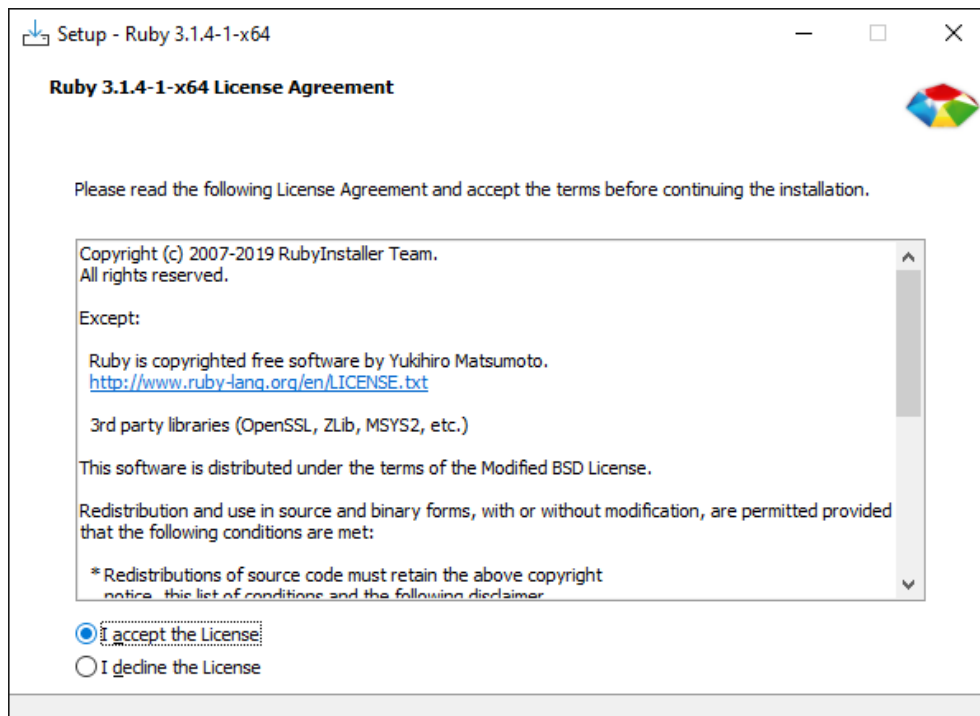
Select the version what ever you want.



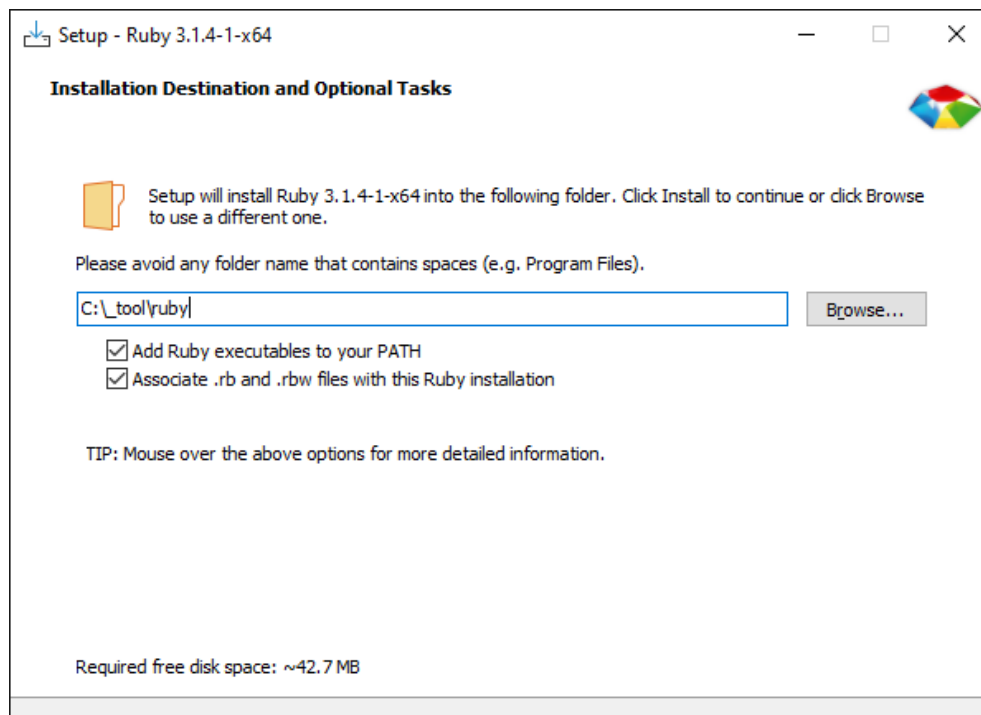
Click the ruby installer and run as a administrator.



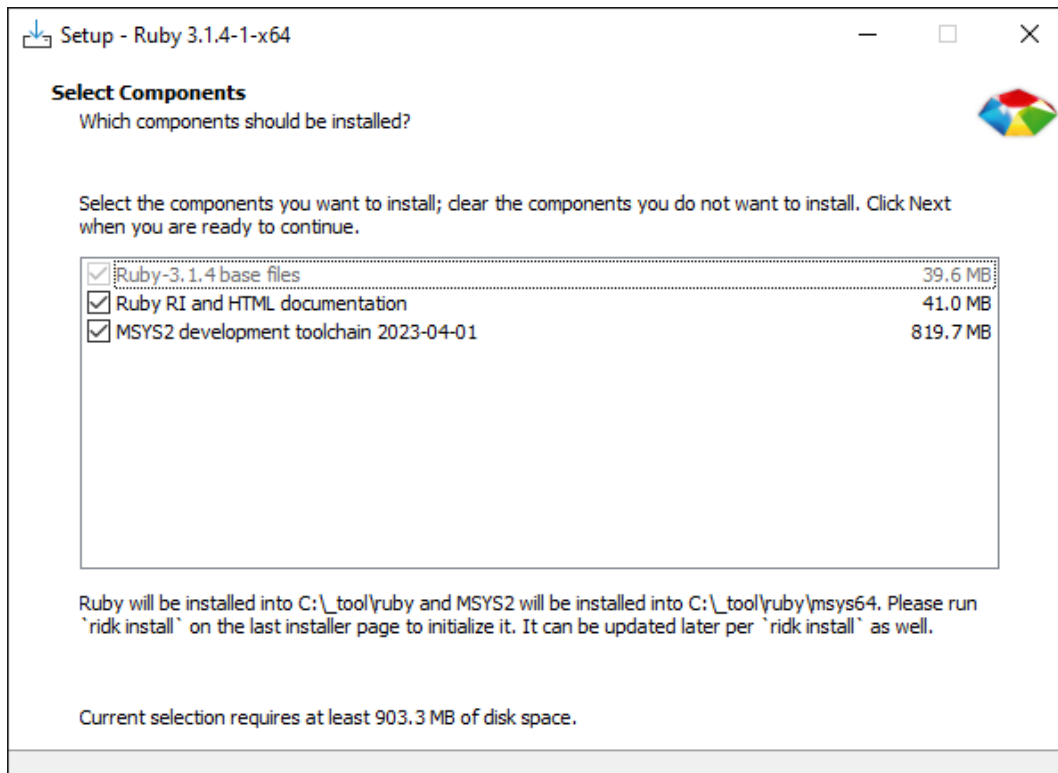
Select the I accept the licence and click next.



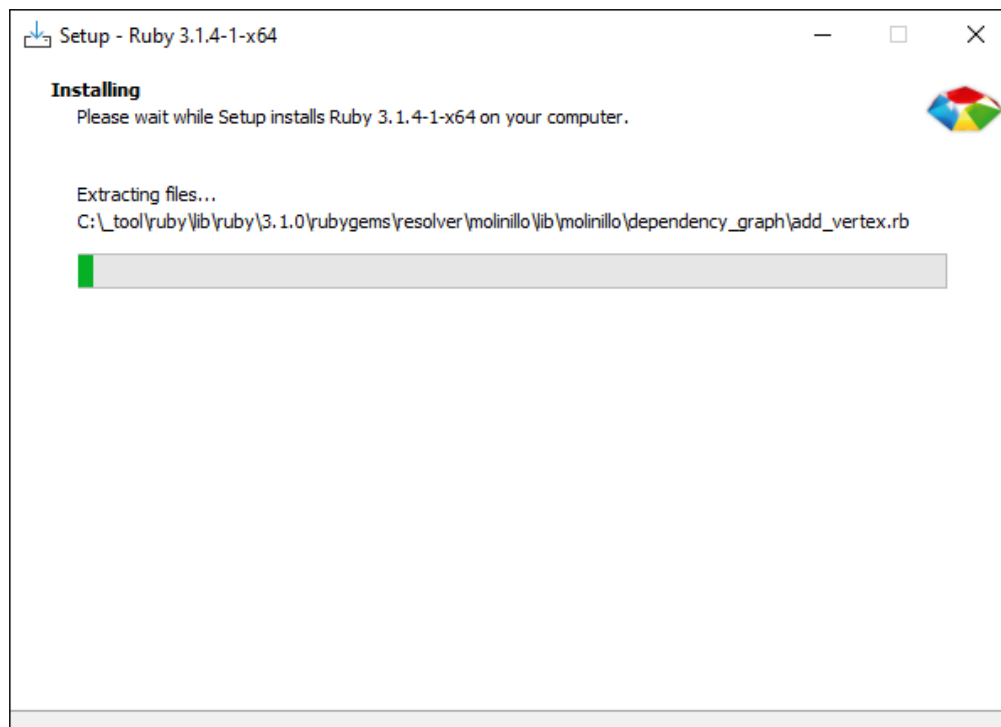
Choose the destination and click the next.



Select the all elements in the checkbox and click install.



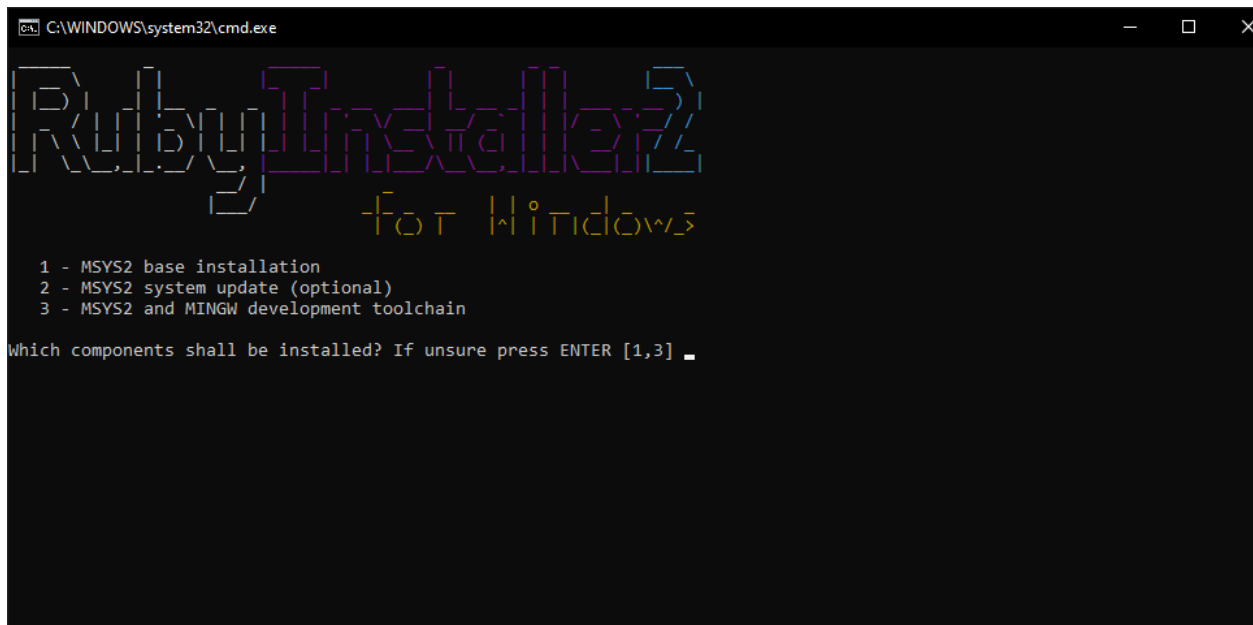
Now the install will be started.



After the installation process this tab will show and click finish.



Choose an option for standard installation.



After the standard installation this option will show.

```
C:\WINDOWS\system32\cmd.exe
warning: libtool-2.4.7-3 is up to date -- skipping
warning: m4-1.4.19-2 is up to date -- skipping
warning: make-4.4.1-1 is up to date -- skipping
warning: patch-2.7.6-2 is up to date -- skipping
warning: sed-4.9-1 is up to date -- skipping
warning: texinfo-7.0.3-1 is up to date -- skipping
warning: texinfo-tex-7.0.3-1 is up to date -- skipping
warning: wget-1.21.3-2 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-binutils-2.40-2 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-crt-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-gcc-12.2.0-10 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-gcc-libs-12.2.0-10 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-headers-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-libmangle-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-libwinpthread-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-make-4.4-2 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-tools-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-winpthreads-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: pkgconf-1.9.4-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-pkgconf-1~1.8.0-2 is up to date -- skipping
there is nothing to do
Install MSYS2 and MINGW development toolchain succeeded

You can use 'ridk enable' to activate the MSYS2 tools on the command prompt.

1 - MSYS2 base installation
2 - MSYS2 system update (optional)
3 - MSYS2 and MINGW development toolchain
```

I am choose the base installation for additional.

```
C:\WINDOWS\system32\cmd.exe
warning: mingw-w64-ucrt-x86_64-crt-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-gcc-12.2.0-10 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-gcc-libs-12.2.0-10 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-headers-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-libmangle-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-libwinpthread-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-make-4.4-2 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-tools-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-winpthreads-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: pkgconf-1.9.4-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-pkgconf-1~1.8.0-2 is up to date -- skipping
there is nothing to do
Install MSYS2 and MINGW development toolchain succeeded

You can use 'ridk enable' to activate the MSYS2 tools on the command prompt.

1 - MSYS2 base installation
2 - MSYS2 system update (optional)
3 - MSYS2 and MINGW development toolchain

Which components shall be installed? If unsure press ENTER [ ] 1
> sh -lc true
MSYS2 seems to be properly installed

1 - MSYS2 base installation
2 - MSYS2 system update (optional)
3 - MSYS2 and MINGW development toolchain
```

After the base installation simply press the enter to close the command prompt.

```
C:\WINDOWS\system32\cmd.exe
warning: mingw-w64-ucrt-x86_64-crt-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-gcc-12.2.0-10 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-gcc-libs-12.2.0-10 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-headers-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-libmangle-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-libwinpthread-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-make-4.4-2 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-tools-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-winthreads-git-10.0.0.r248.g5f566373f-1 is up to date -- skipping
warning: pkgconf-1.9.4-1 is up to date -- skipping
warning: mingw-w64-ucrt-x86_64-pkgconf-1~1.8.0-2 is up to date -- skipping
there is nothing to do
Install MSYS2 and MINGW development toolchain succeeded

You can use 'ridk enable' to activate the MSYS2 tools on the command prompt.

1 - MSYS2 base installation
2 - MSYS2 system update (optional)
3 - MSYS2 and MINGW development toolchain

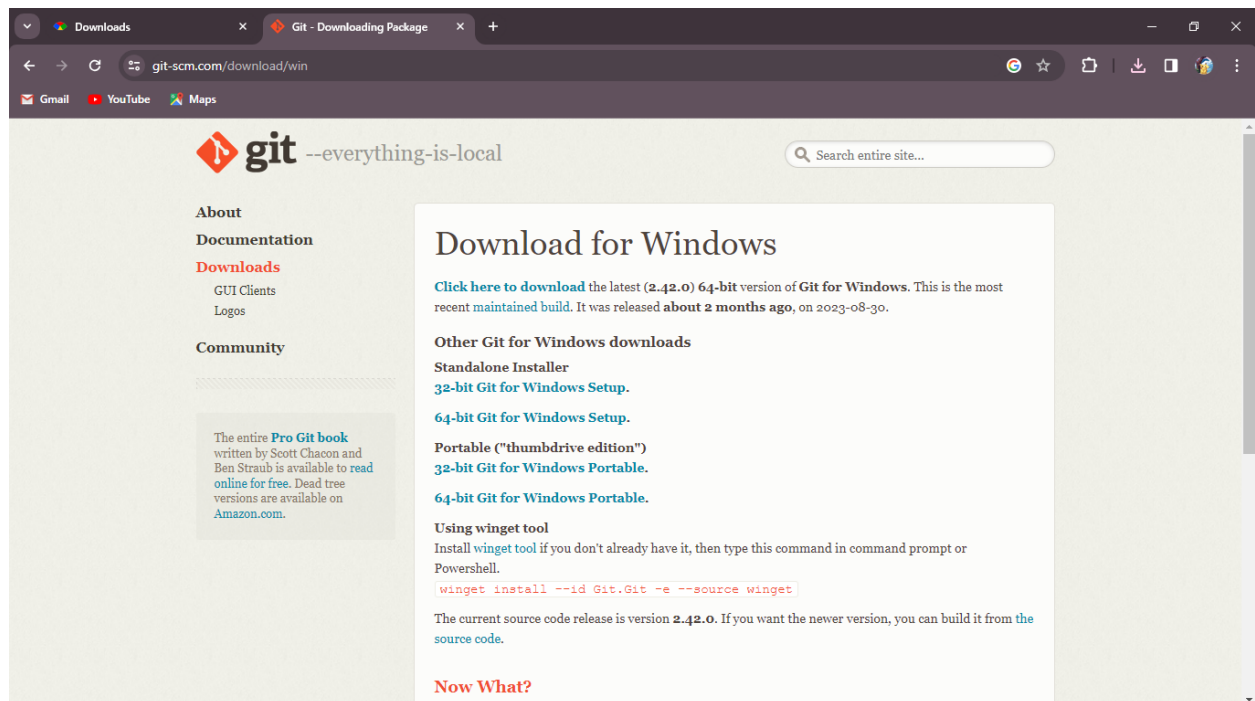
Which components shall be installed? If unsure press ENTER [ ] 1

> sh -lc true
MSYS2 seems to be properly installed

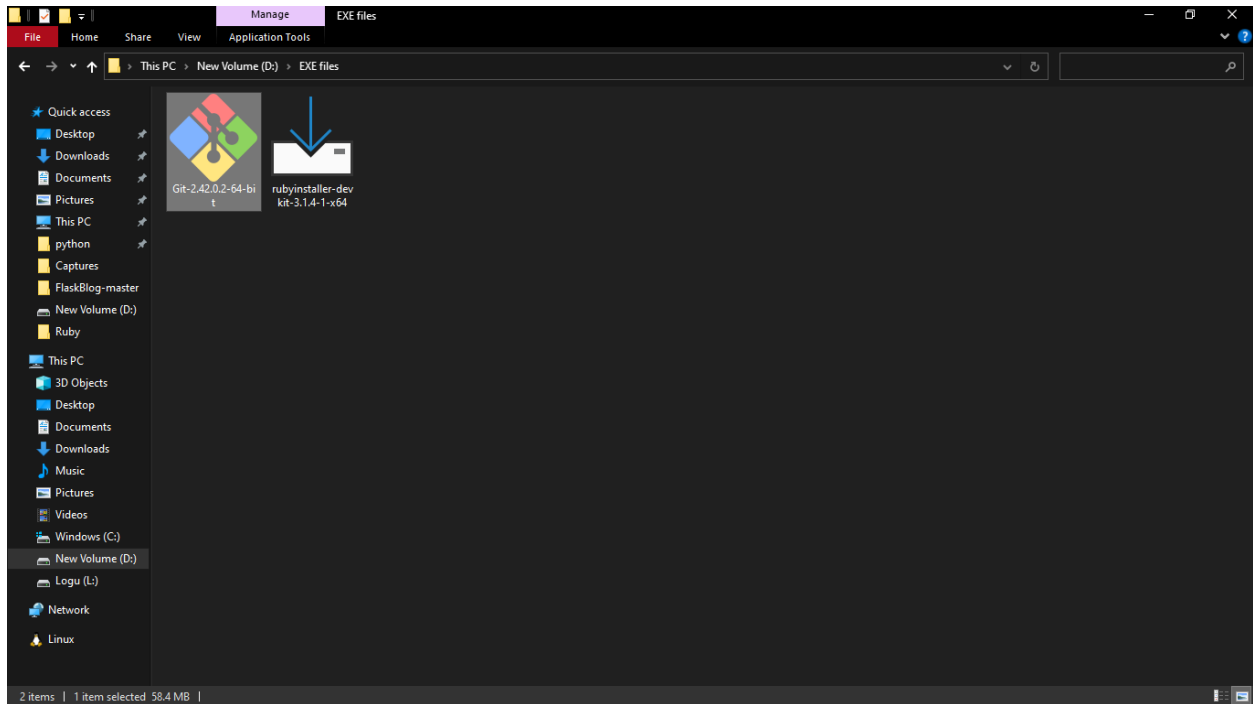
1 - MSYS2 base installation
2 - MSYS2 system update (optional)
3 - MSYS2 and MINGW development toolchain
```

2.Git:

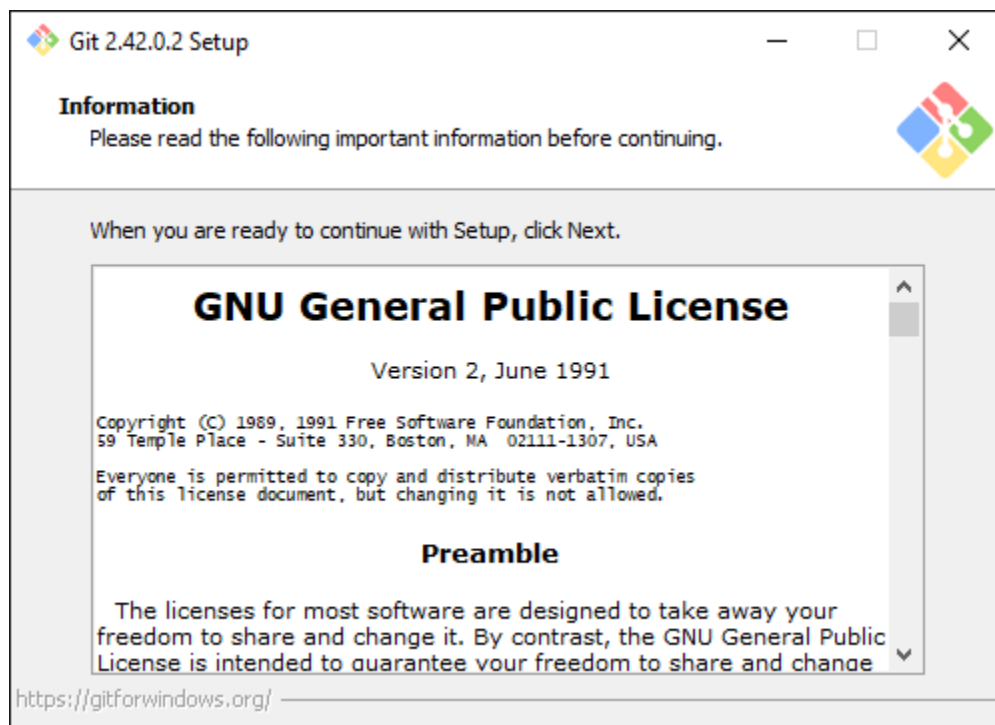
Download the git from the website : <https://git-scm.com/download/win>



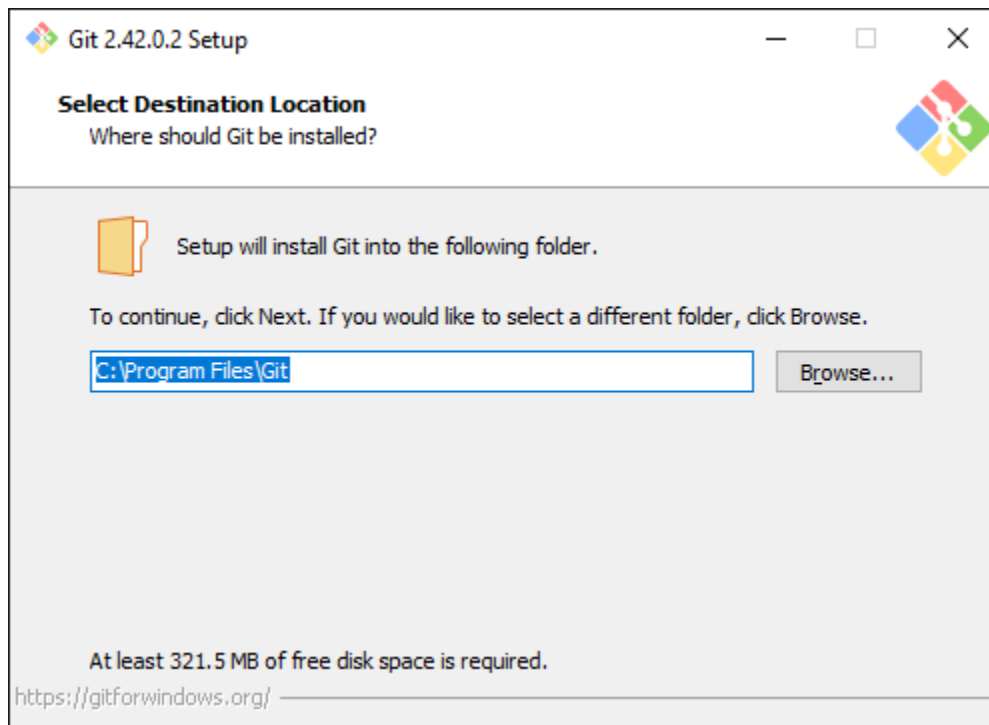
Click the Git and run as a administrator.



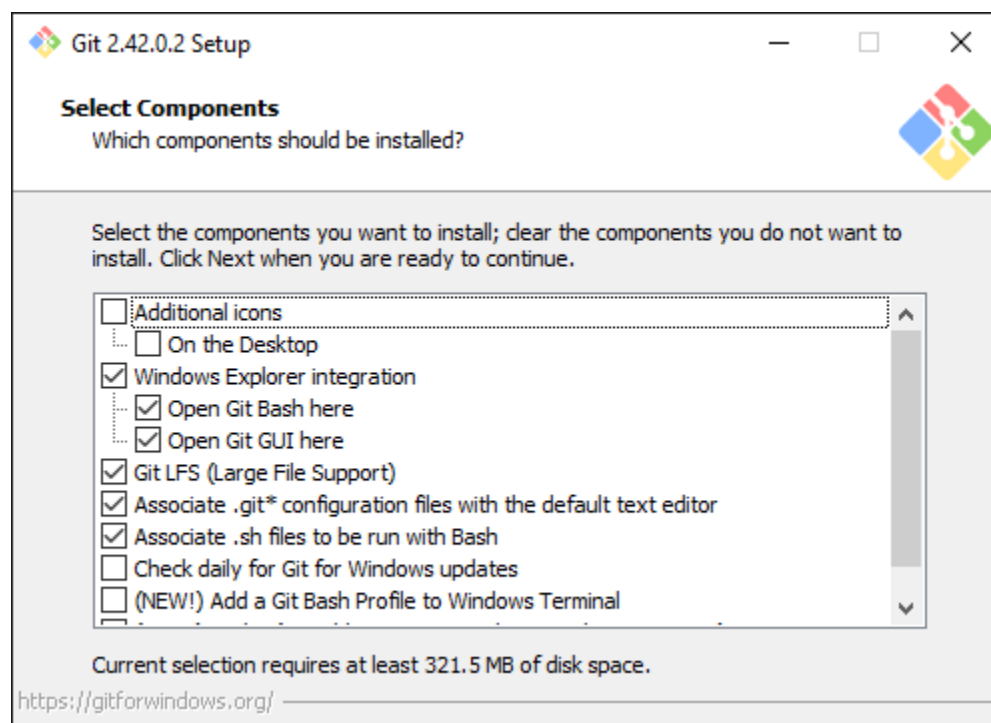
Click the licence agreement and click next.



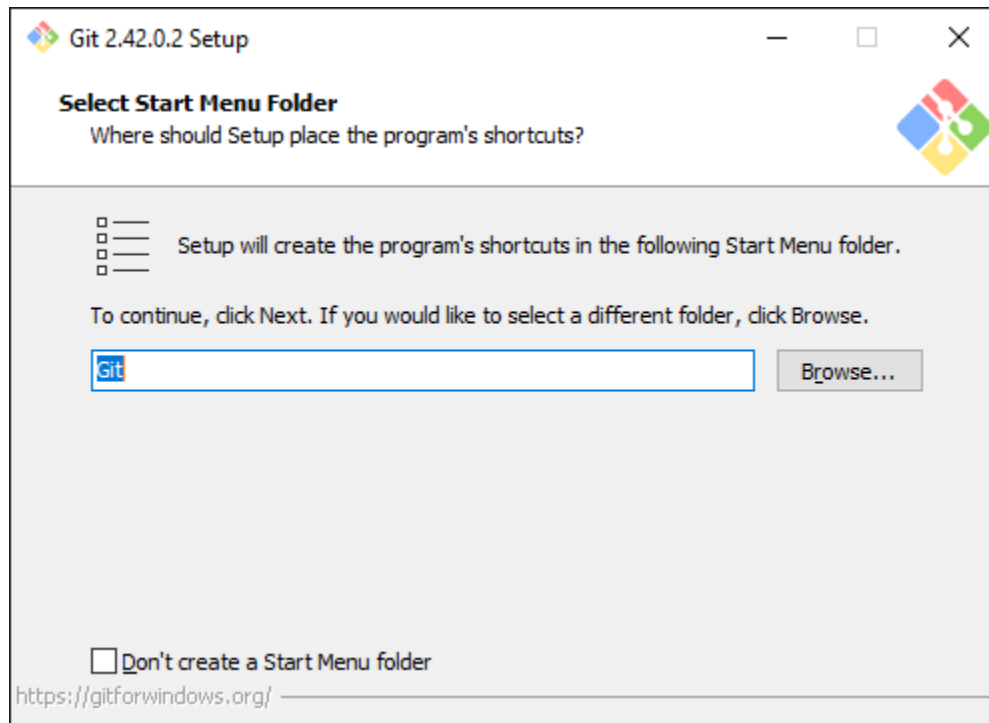
Choose the destination of a Git files.



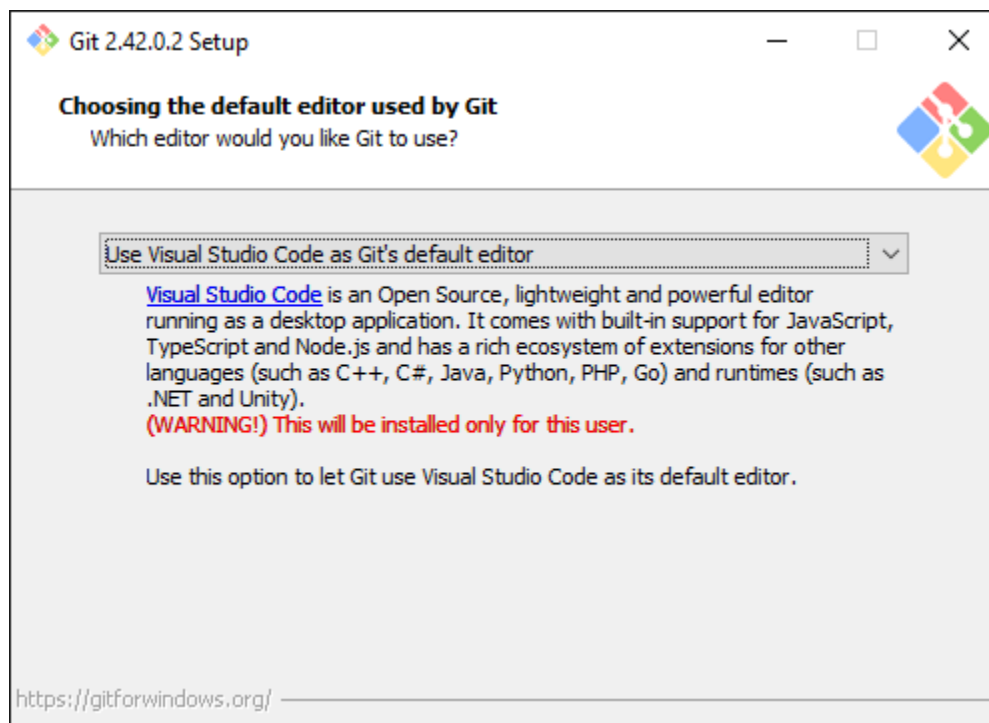
Click the checkboc what ever you want.



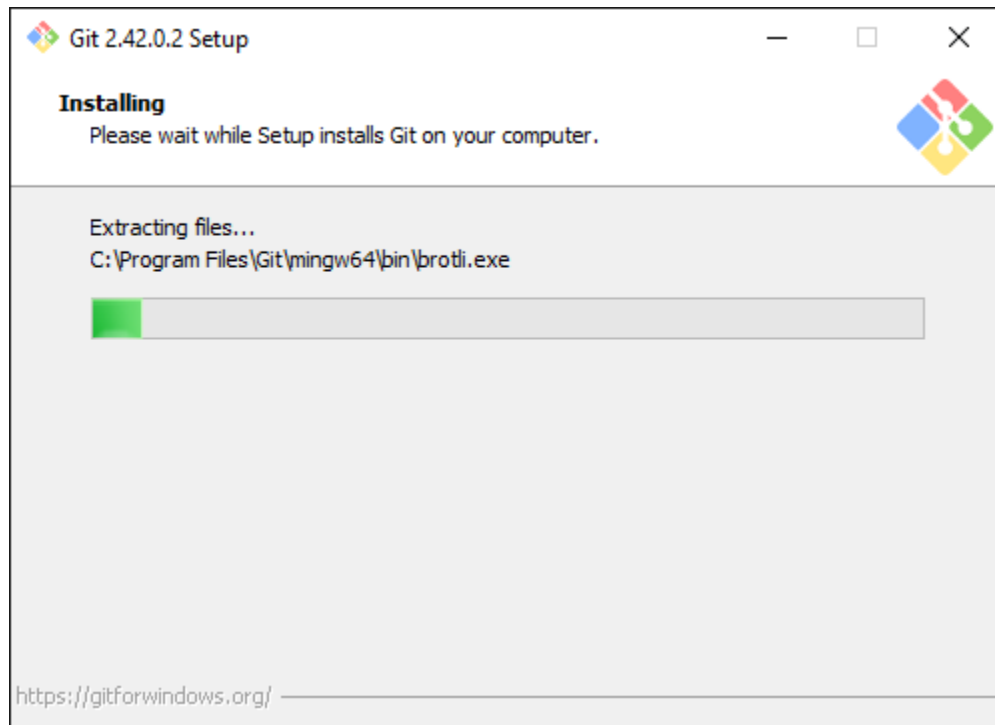
If you want to change the name change in this tab.



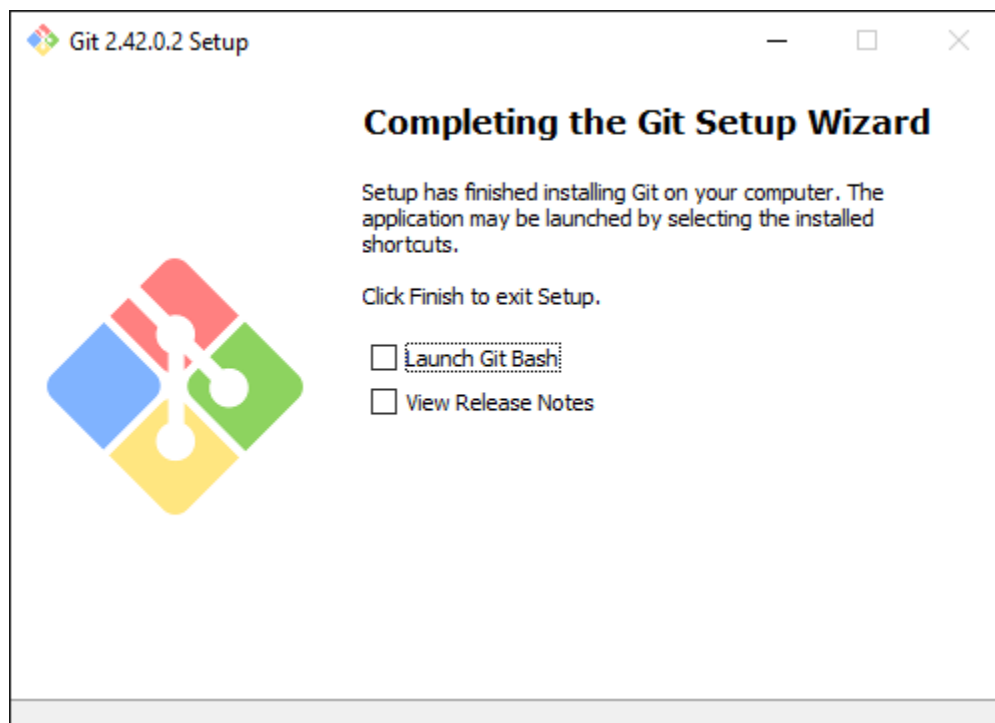
Choose the default note editor for Git editor.



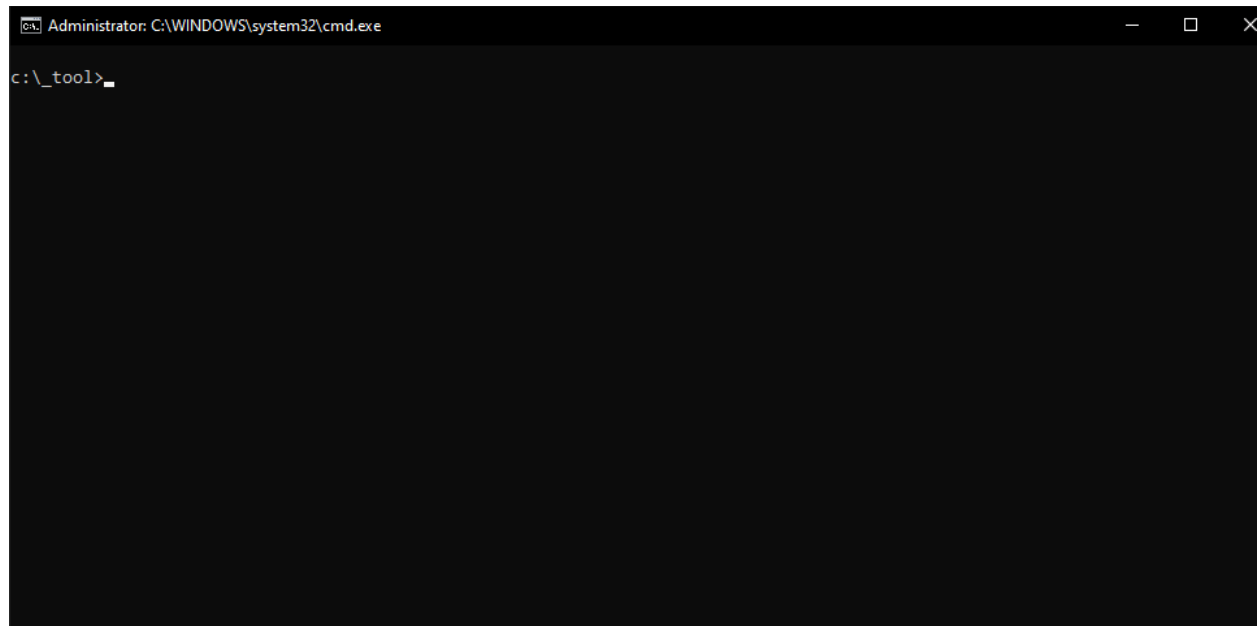
After click install the install process will started.



After the installation process this tab will show, just click finish to complete the Git installation.

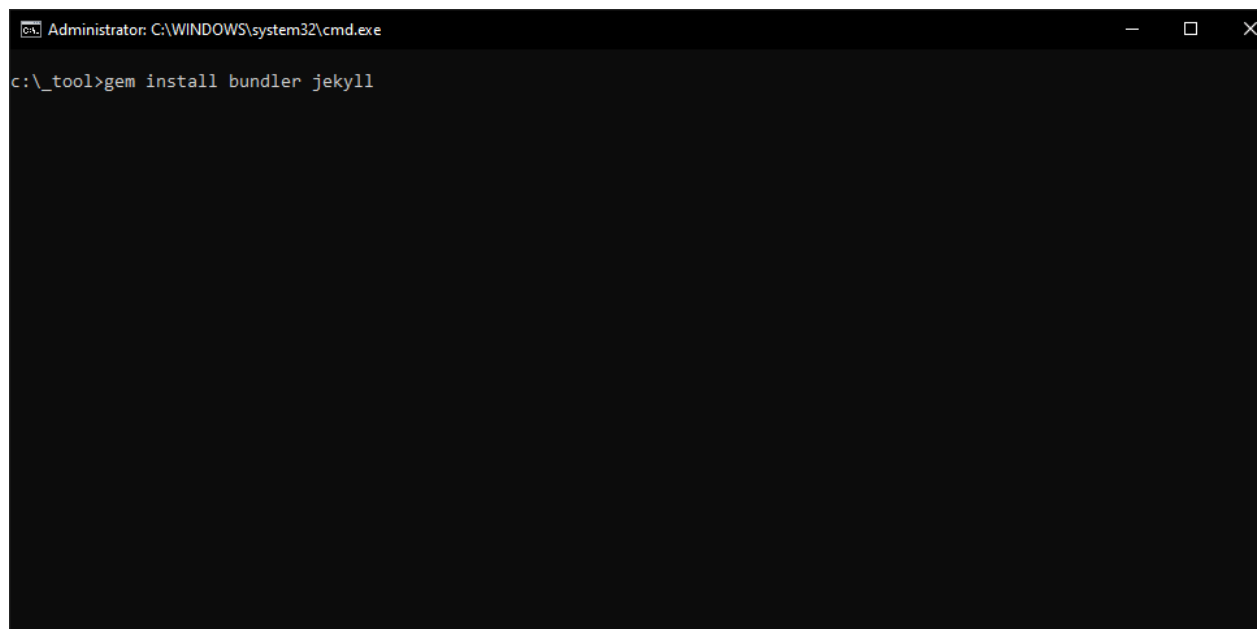


Now open cmd and choose an destination where the ruby installed.



```
Administrator: C:\WINDOWS\system32\cmd.exe
c:\_tool>
```

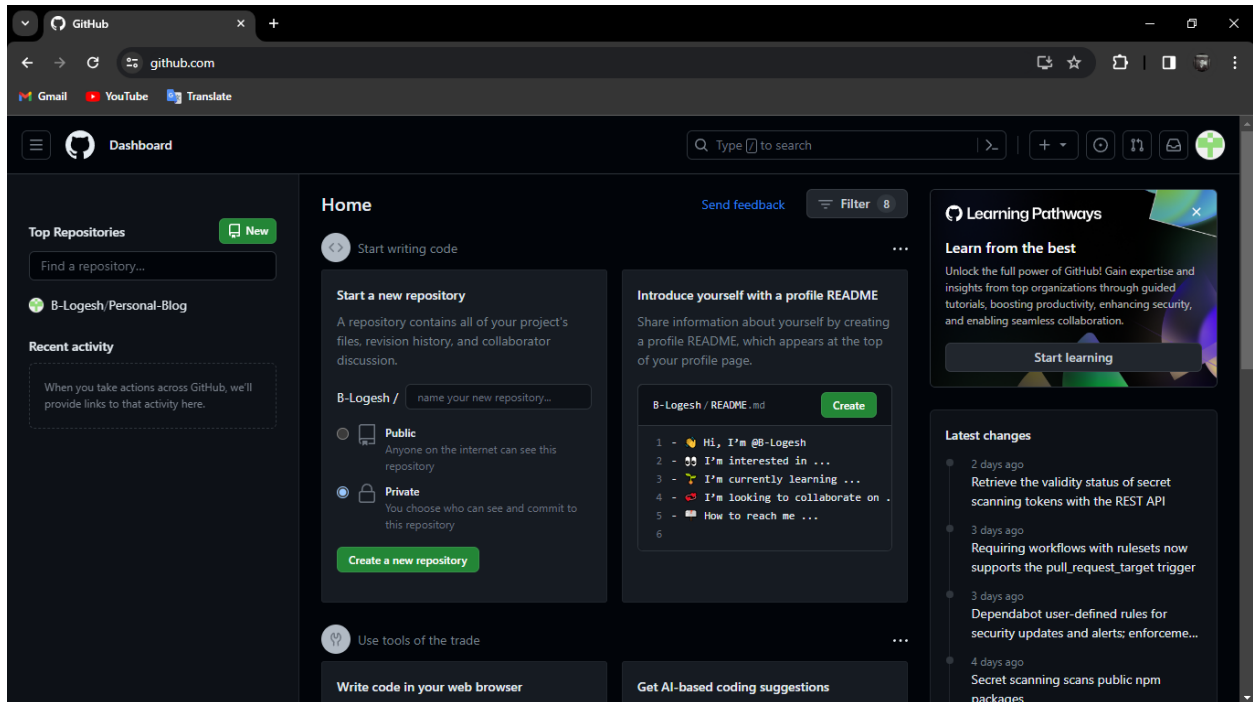
Run this command to install Jekyll from ruby.



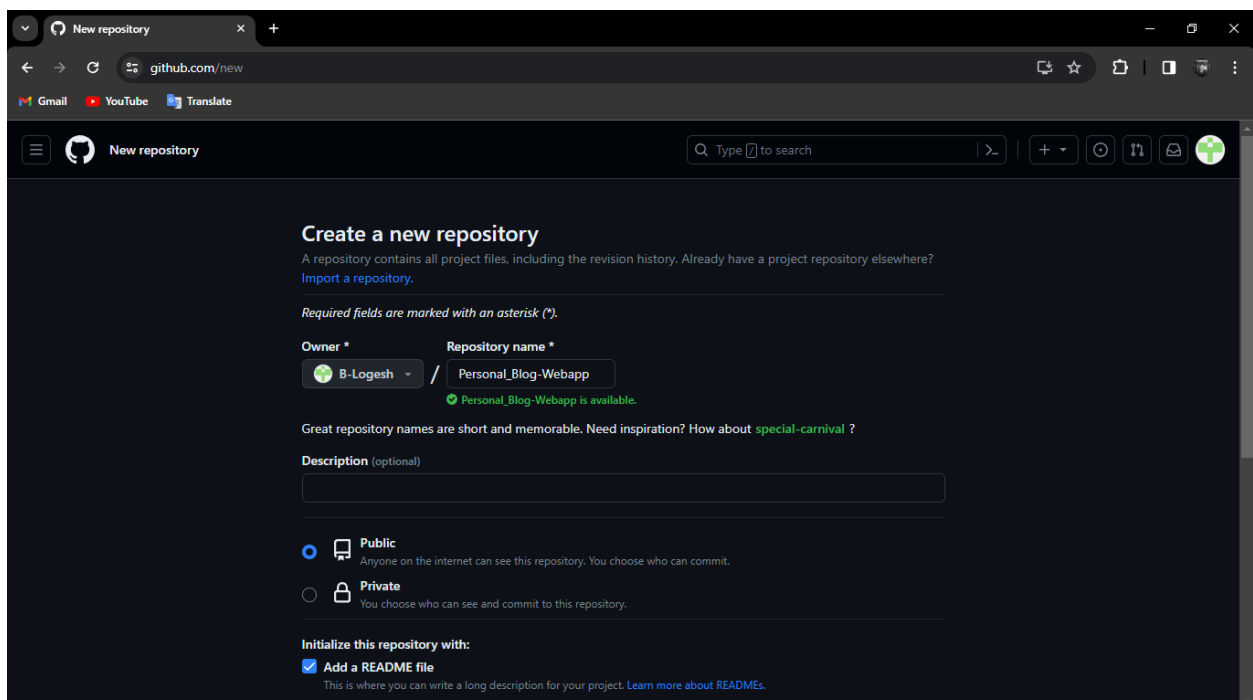
```
Administrator: C:\WINDOWS\system32\cmd.exe
c:\_tool>gem install bundler jekyll
```

3.Github:

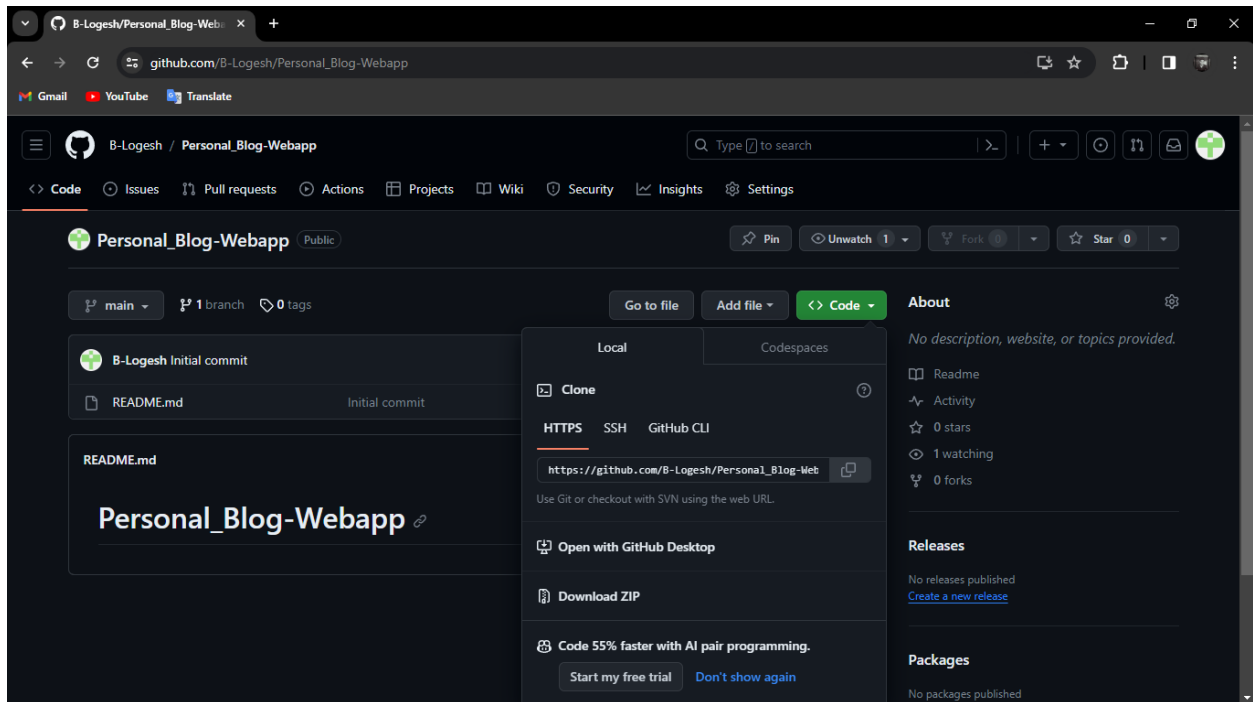
Open your github with your email id and password.



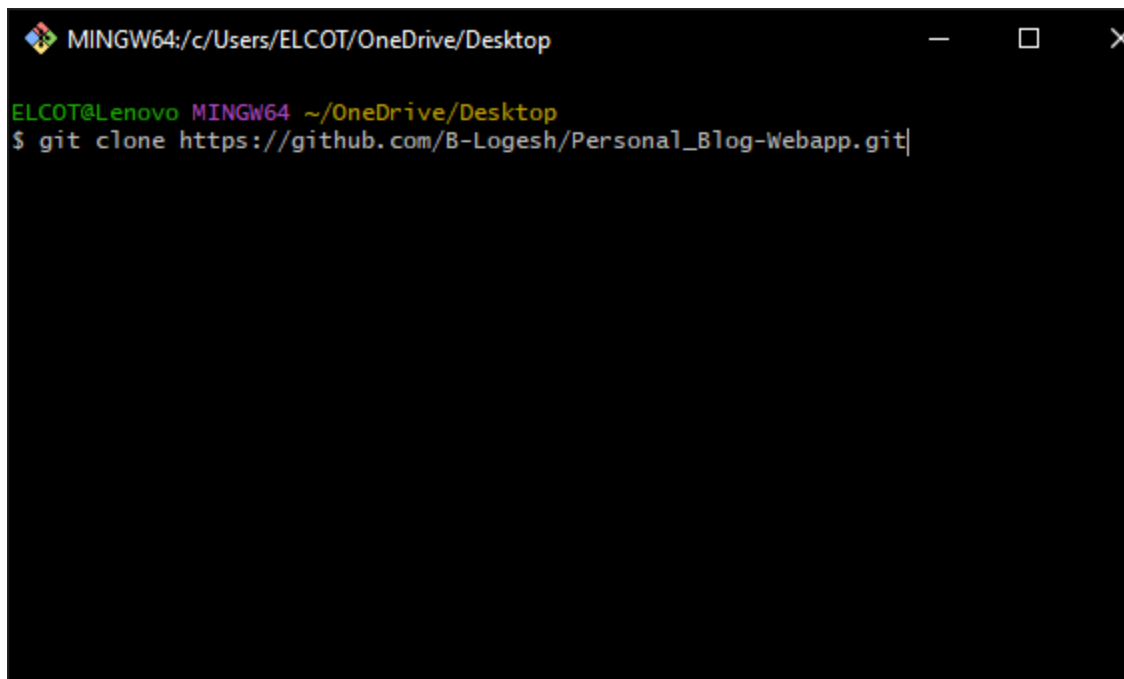
Create new repository and name it your project name.



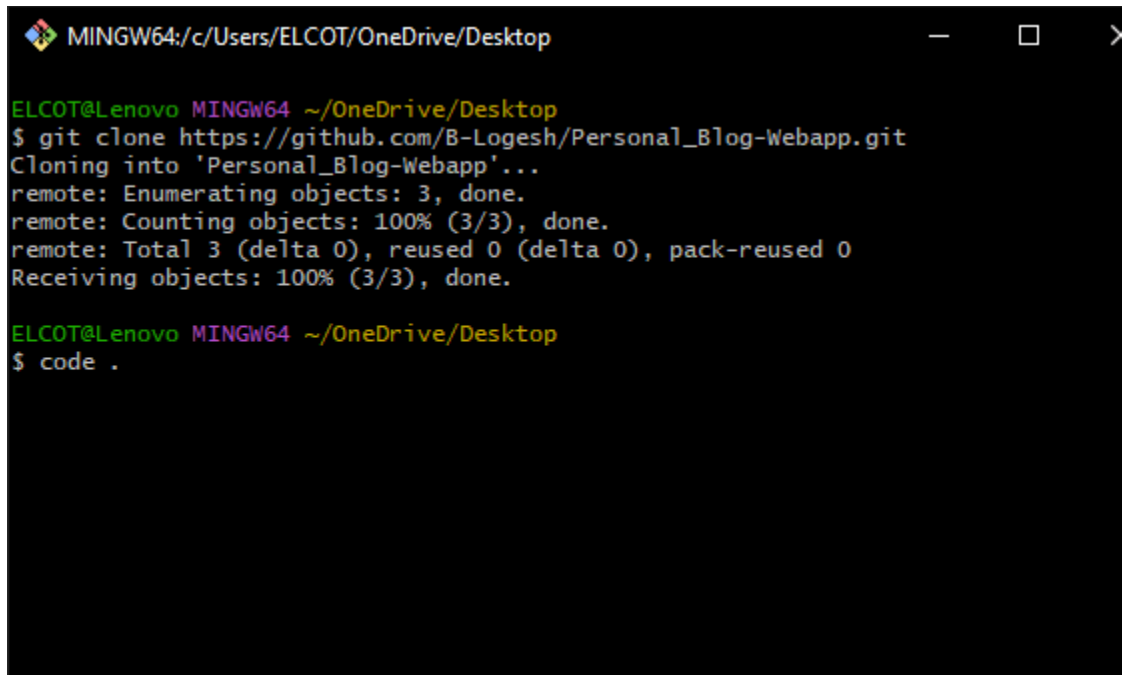
After the repository created, goto code and copy the URL.



Open your git bash and type the command : git clone <URL> and press enter.



After that cloning use “**code .**” command to open the file into custom editor.

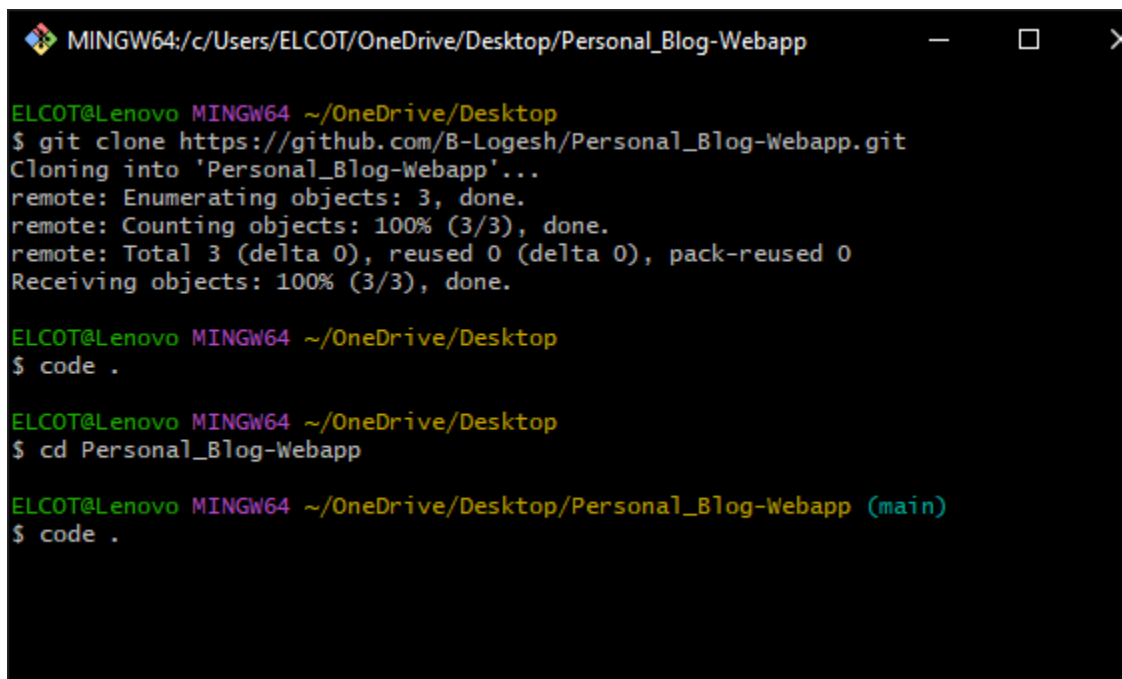
A terminal window titled 'MINGW64:/c/Users/ELCOT/OneDrive/Desktop' with standard window controls. The prompt is 'ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop'. The user enters '\$ git clone https://github.com/B-Logesh/Personal_Blog-Webapp.git'. The output shows cloning progress: 'Cloning into 'Personal_Blog-Webapp'...', 'remote: Enumerating objects: 3, done.', 'remote: Counting objects: 100% (3/3), done.', 'remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0', and 'Receiving objects: 100% (3/3), done.'. The user then enters '\$ code .' and the prompt returns.

```
MINGW64:/c/Users/ELCOT/OneDrive/Desktop

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop
$ git clone https://github.com/B-Logesh/Personal_Blog-Webapp.git
Cloning into 'Personal_Blog-Webapp'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop
$ code .
```

Use `cd <Folder name>` to change the directory to the folder.

A terminal window titled 'MINGW64:/c/Users/ELCOT/OneDrive/Desktop/Personal_Blog-Webapp' with standard window controls. The prompt is 'ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop'. The user enters '\$ git clone https://github.com/B-Logesh/Personal_Blog-Webapp.git'. The output shows cloning progress: 'Cloning into 'Personal_Blog-Webapp'...', 'remote: Enumerating objects: 3, done.', 'remote: Counting objects: 100% (3/3), done.', 'remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0', and 'Receiving objects: 100% (3/3), done.'. The user then enters '\$ code .' and the prompt returns. The user then enters '\$ cd Personal_Blog-Webapp'. The prompt changes to 'ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop/Personal_Blog-Webapp (main)'. The user then enters '\$ code .' and the prompt returns.

```
MINGW64:/c/Users/ELCOT/OneDrive/Desktop/Personal_Blog-Webapp

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop
$ git clone https://github.com/B-Logesh/Personal_Blog-Webapp.git
Cloning into 'Personal_Blog-Webapp'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop
$ code .

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop
$ cd Personal_Blog-Webapp

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop/Personal_Blog-Webapp (main)
$ code .
```


Now create the web app structures from the Jekyll and the command : `gem install bundler jekyll`

```
MINGW64:/c/Users/ELCOT/OneDrive/Desktop/Personal_Blog-Webapp

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop
$ git clone https://github.com/B-Logesh/Personal_Blog-Webapp.git
Cloning into 'Personal_Blog-Webapp'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop
$ code .

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop
$ cd Personal_Blog-Webapp

ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop/Personal_Blog-Webapp (main)
$ code .

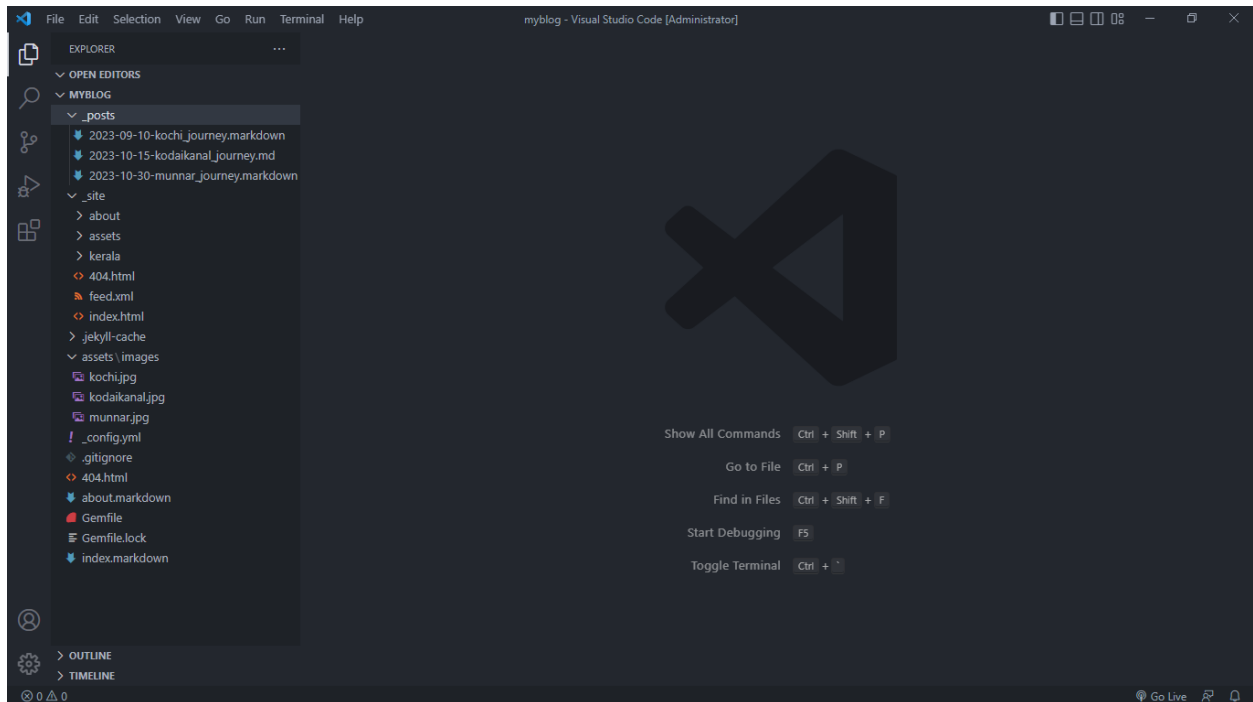
ELCOT@Lenovo MINGW64 ~/OneDrive/Desktop/Personal_Blog-Webapp (main)
$ gem install bundler jekyll
```

This is the output after success install of Jekyll bundle.

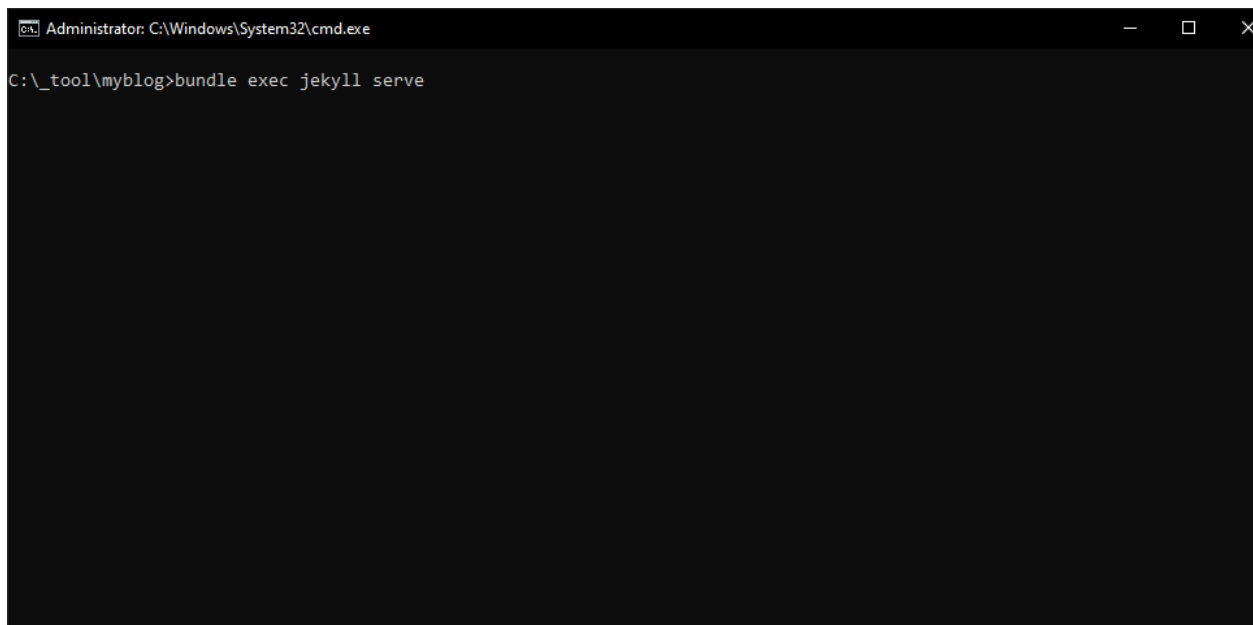
```
MINGW64:/c/Users/ELCOT/OneDrive/Desktop/Personal_Blog-Webapp

Bundler: Fetching tzinfo 2.0.6
Bundler: Installing tzinfo 2.0.6
Bundler: Installing wdm 0.1.1 with native extensions
Bundler: Fetching tzinfo-data 1.2023.3
Bundler: Installing tzinfo-data 1.2023.3
Bundler: Fetching jekyll-feed 0.17.0
Bundler: Installing jekyll-feed 0.17.0
Bundler: Fetching jekyll-seo-tag 2.8.0
Bundler: Installing jekyll-seo-tag 2.8.0
Bundler: Fetching minima 2.5.1
Bundler: Installing minima 2.5.1
Bundler: Bundle complete! 7 Gemfile dependencies, 36 gems now installed.
Bundler: Use 'bundle info [gemname]' to see where a bundled gem is installed.
Retrying download gem from https://rubygems.org/ due to error (2/4): Gem::RemoteFetcher::FetchError SocketError: Failed to open TCP connection to rubygems.org:443 (getaddrinfo: No such host is known. ) (https://rubygems.org/gems/rexml-3.2.6.gem)
Bundler: Retrying download gem from https://rubygems.org/ due to error (2/4): Gem::RemoteFetcher::FetchError SocketError: Failed to open TCP connection to rubygems.org:443 (getaddrinfo: No such host is known. ) (https://rubygems.org/gems/wdm-0.1.1.gem)
New jekyll site installed in C:/Users/ELCOT/OneDrive/Desktop/Personal_Blog-Webapp/personal_blog
.
```

Use code . command to get into the editor.



Run command prompt as administrator and type this code and press enter.



Here is the output :

