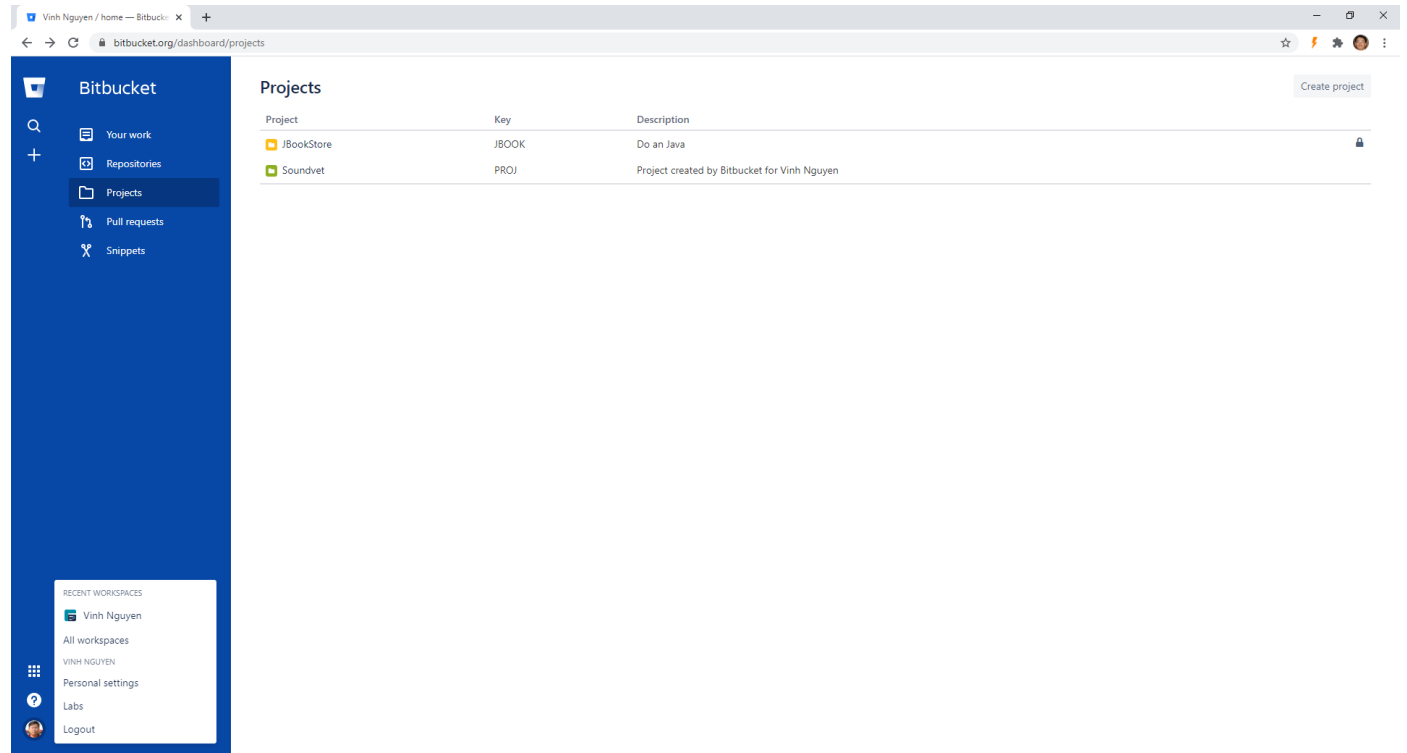


Bài tập Lab4 - Git

1) Đăng ký tài khoản bitbucket.org

Đã đăng ký.

Login vào bitbucket.org:



Tạo mới project trên bitbucket:

Nhấn “Create Project” để tạo project mới.

Chọn private project.

←

Create a project

Workspace Vinh Nguyen

Name


Key

Eg. AT (for a project named Atlassian)

Description

Privacy ☒ Private project

Private projects are only visible to your workspace and anyone who has direct access to a repository in the project.

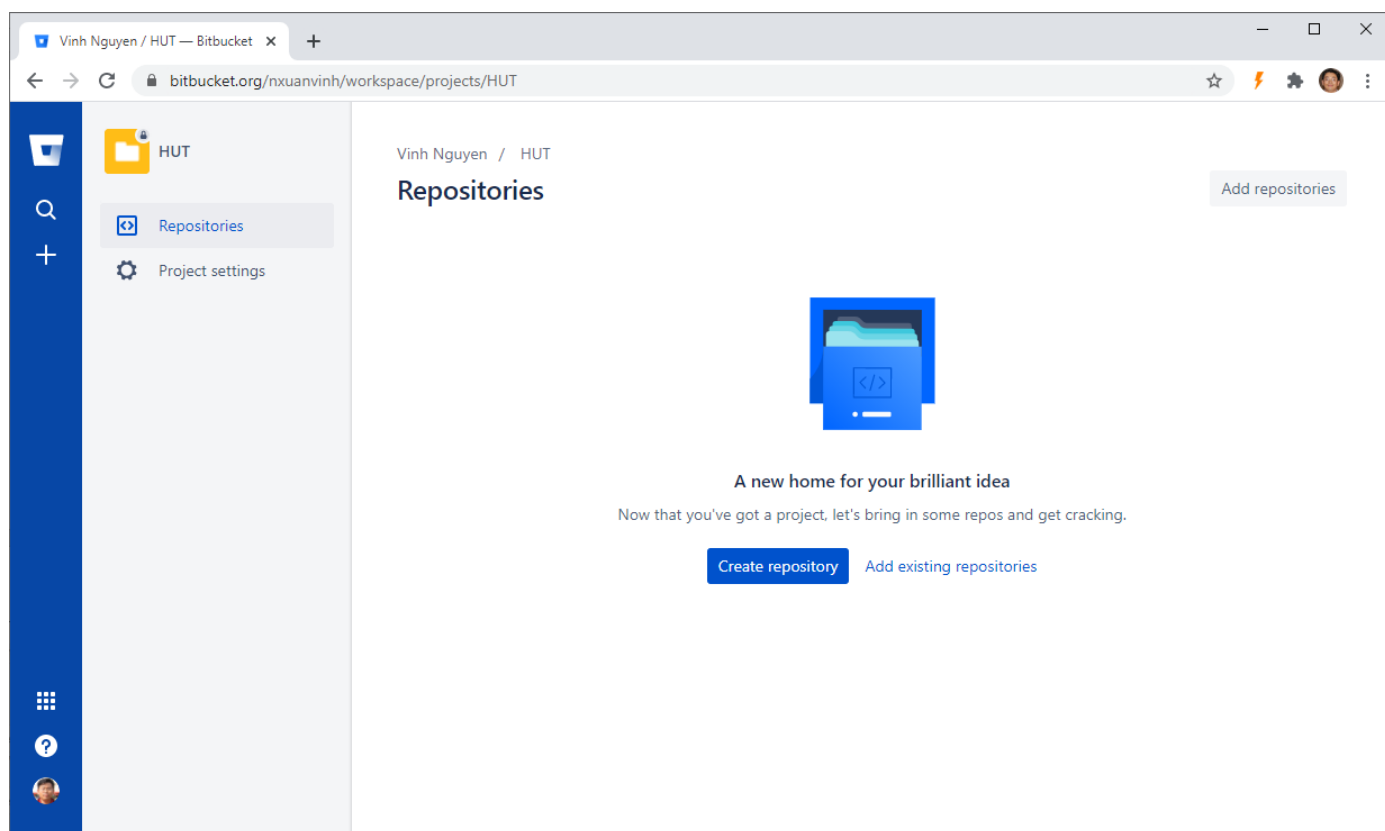
Project avatar 

[Change avatar](#)

[Create project](#) [Cancel](#)

Đã tạo project xong.

2) Tao repository



Nhấn “Create Repository” để tạo repository mới.

By default, đây là private repository.

Create a repository — Bitbucket

bitbucket.org/repo/create?workspace=nxuanvinh&project=HUT

Create a new repository

Import repository

Workspace

Vinh Nguyen

Project

HUT

Repository name

Lab4Git

Access level

☒ Private repository

Uncheck to make this repository public. Public repositories typically contain open-source code and can be viewed by anyone.

Include a README?

No

Include .gitignore?

Yes (recommended)

Advanced settings

Description

Bài tập Lab4 Git môn CCPM

Forking

Allow only private forks

Language

Select language...

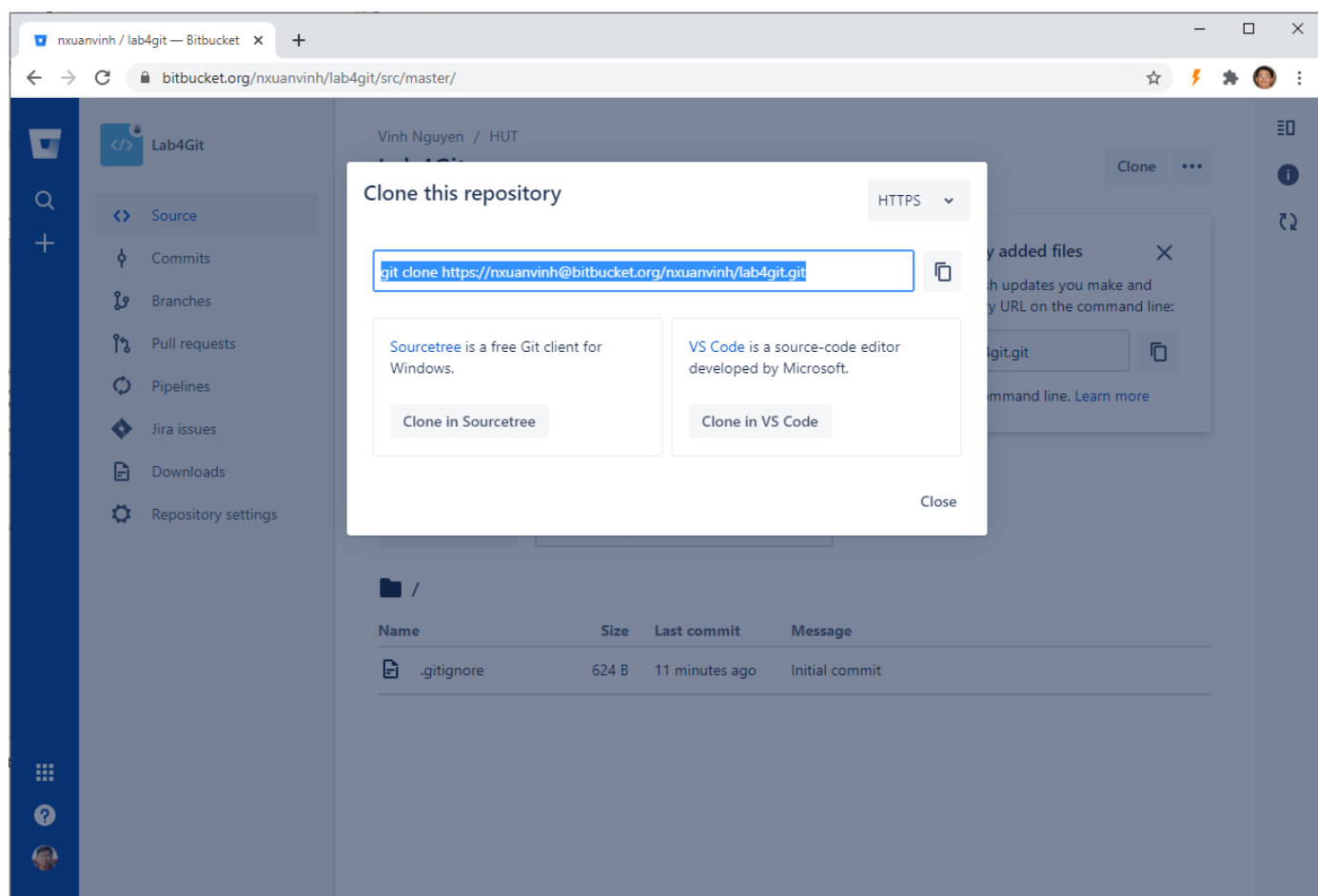
Create repository

Cancel

The screenshot shows a web browser window displaying a Bitbucket repository named 'Lab4Git' by user 'Vinh Nguyen / HUT'. The URL in the address bar is 'bitbucket.org/nxuanvinh/lab4git/src/master/'. The left sidebar contains navigation links: Source, Commits, Branches, Pull requests, Pipelines, Jira issues, Downloads, and Repository settings. The main content area features a 'Clone' button and a message box with instructions on how to clone the repository using the command line or IDEs like Sourcetree or VS Code. Below this, there is a section titled 'Bài tập Lab4 Git môn CCPM' with a dropdown menu set to 'master' and a search bar. A table lists the files in the repository:

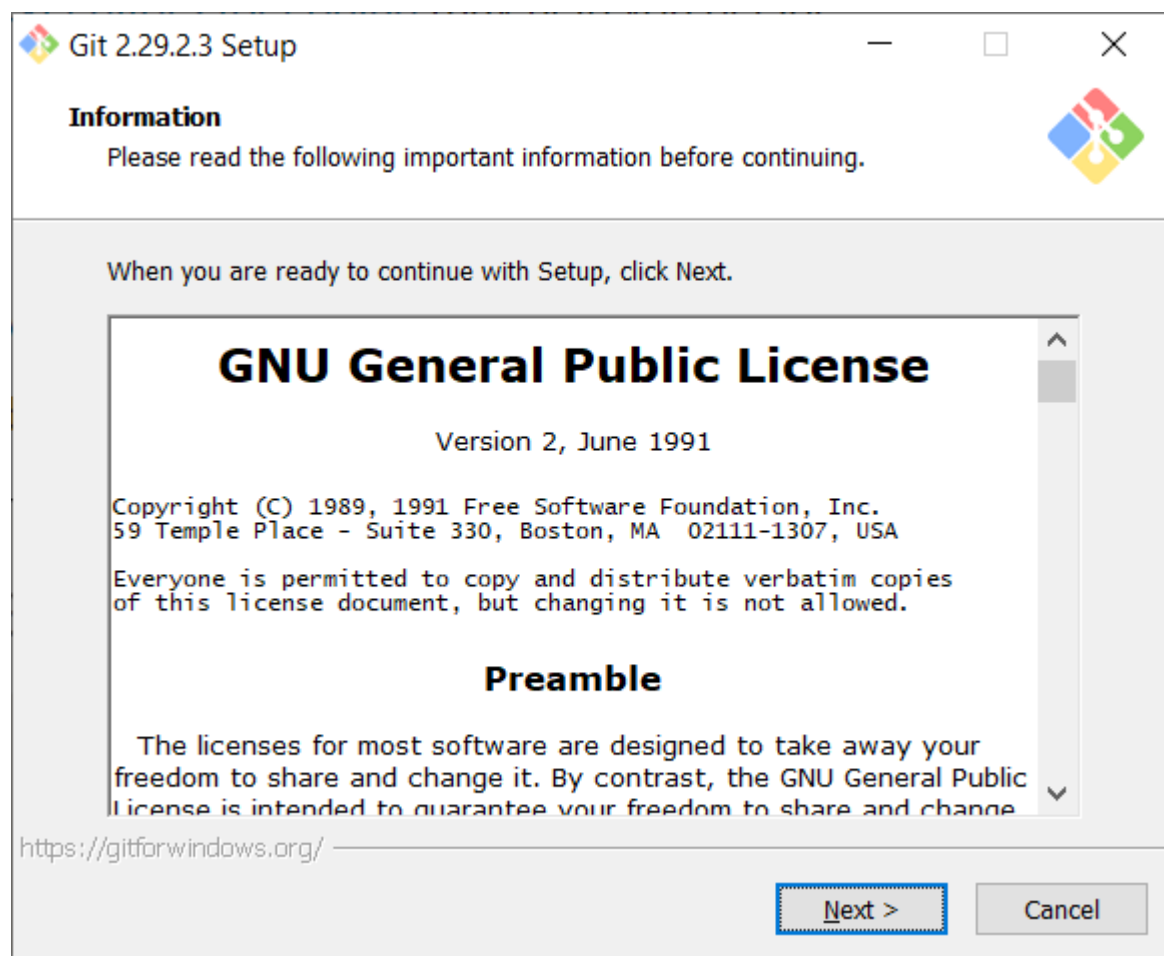
Name	Size	Last commit	Message
.gitignore	624 B	5 seconds ago	Initial commit

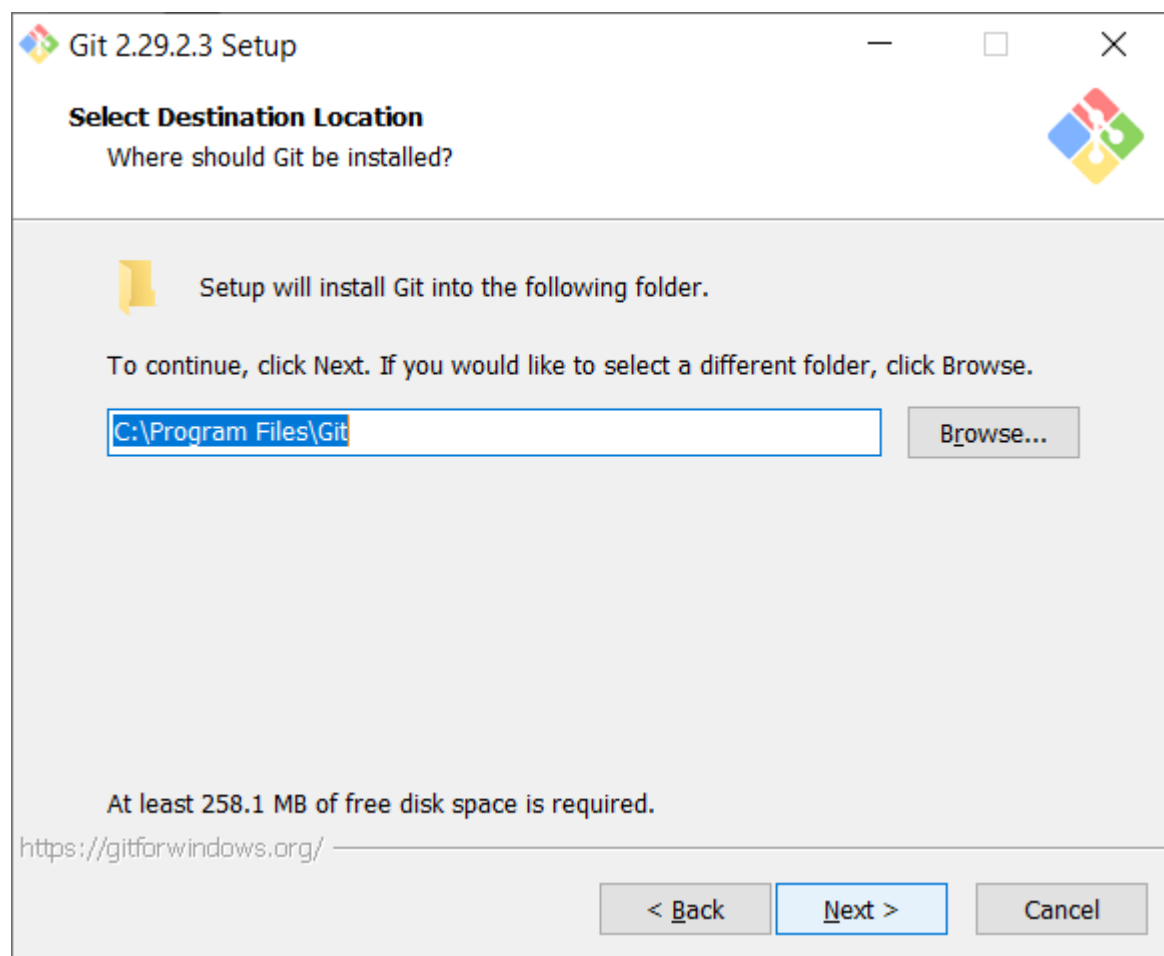
Repository URL: git clone <https://nxuanvinh@bitbucket.org/nxuanvinh/lab4git.git>

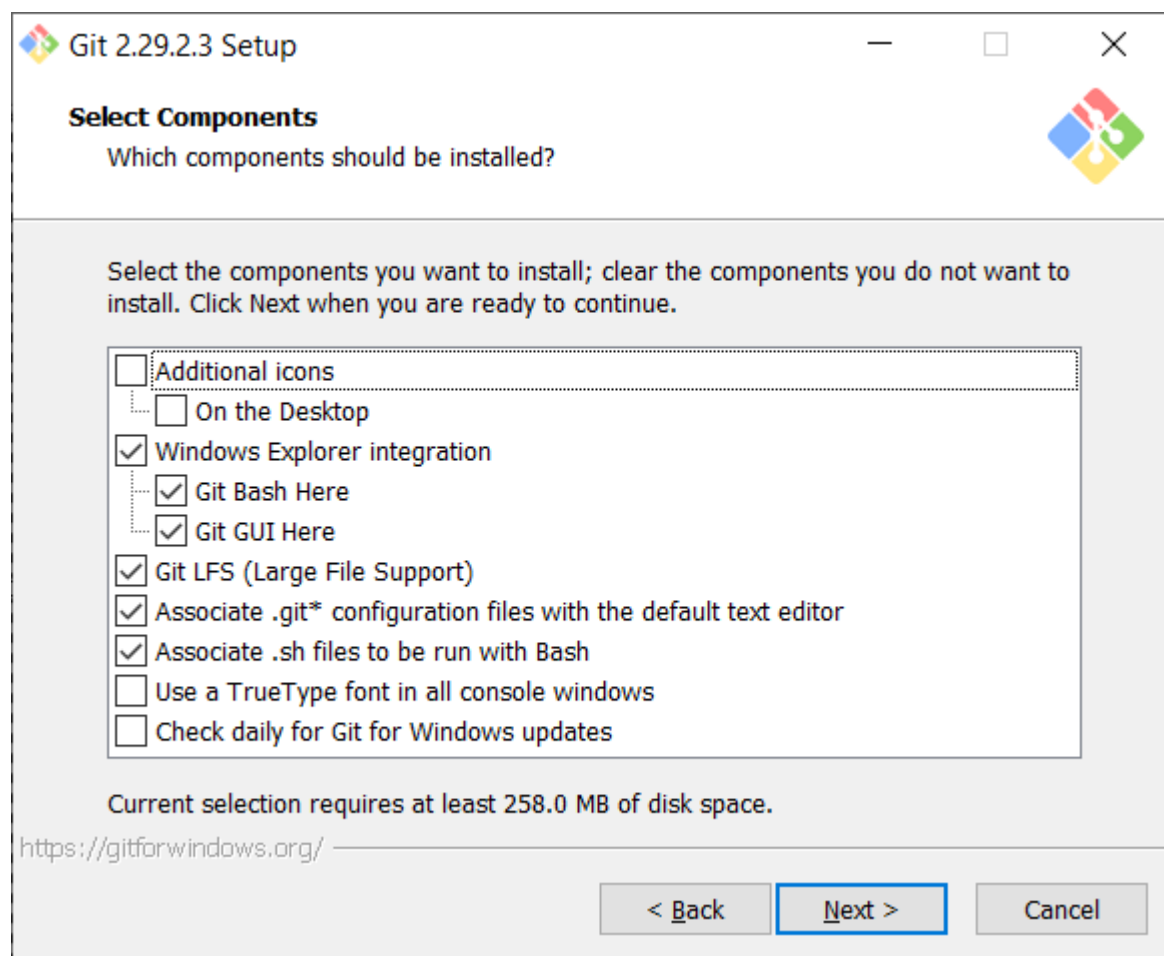


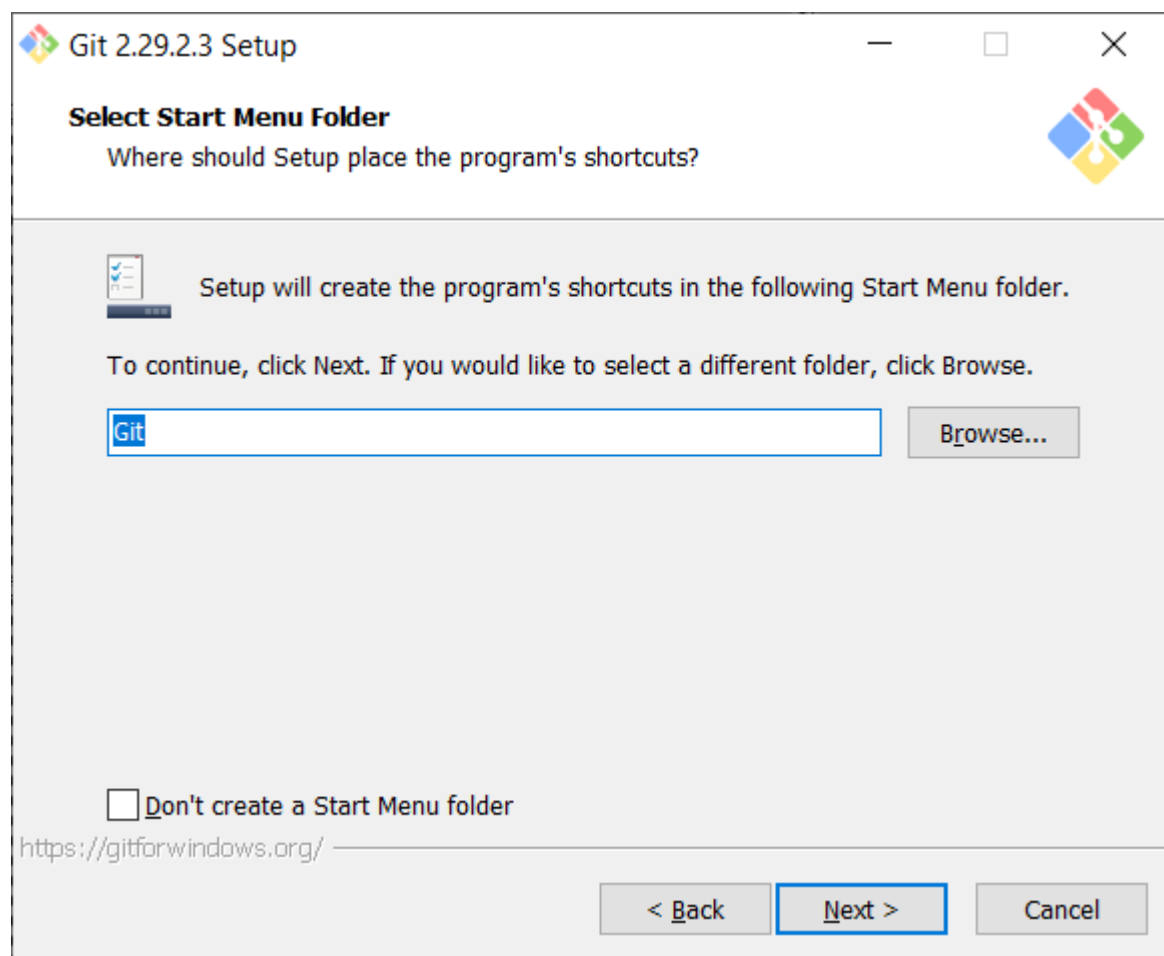
3) Cài Git for Windows

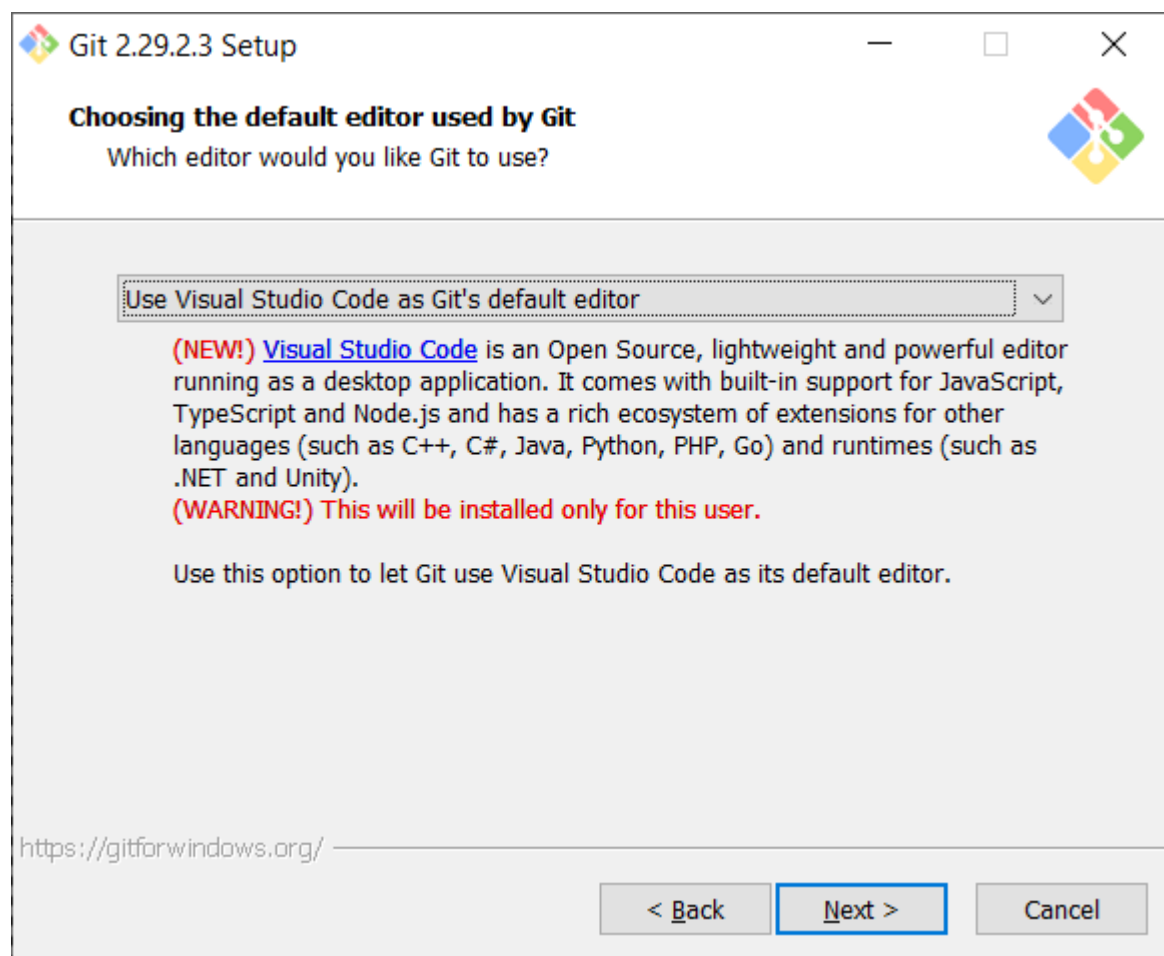
Download file cài đặt tại: <https://git-scm.com/download/win>

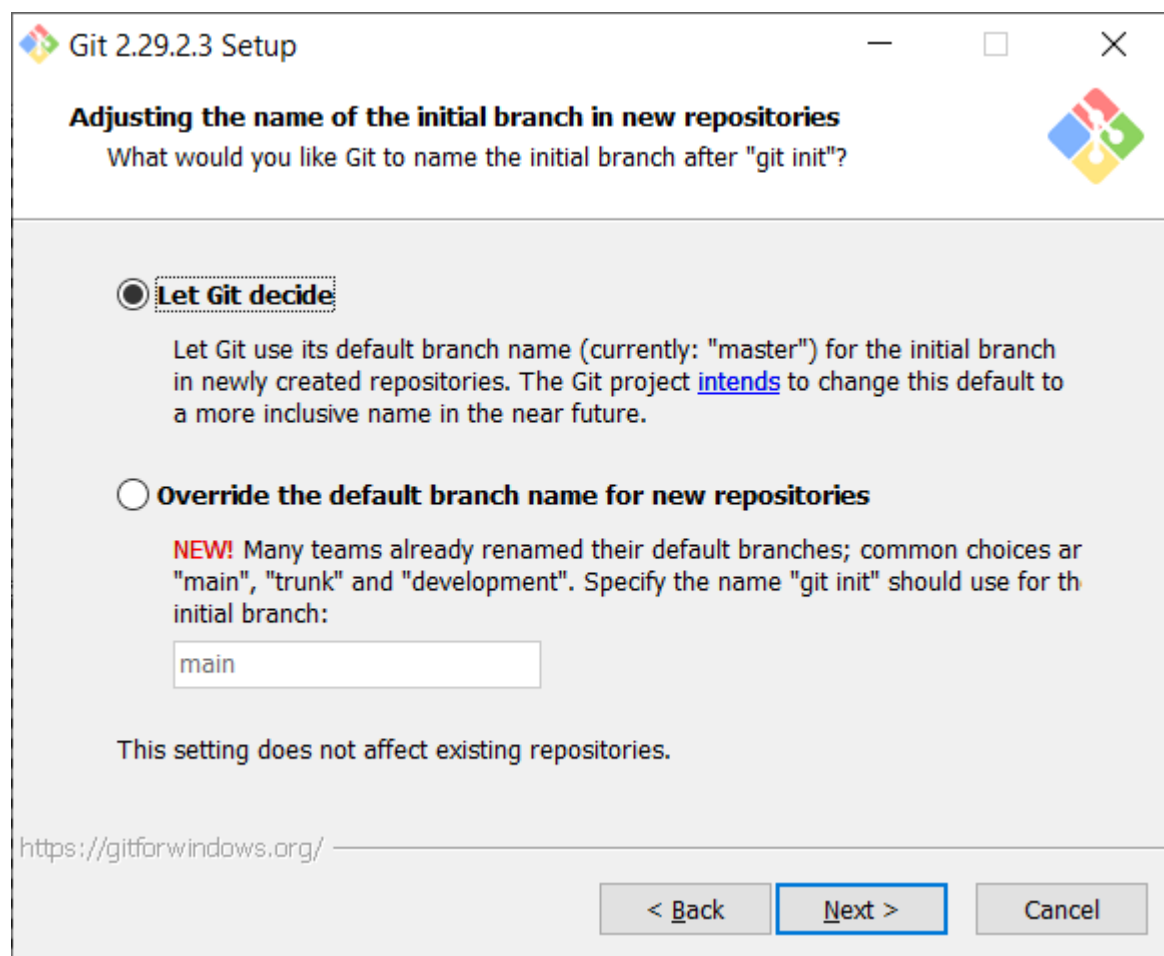


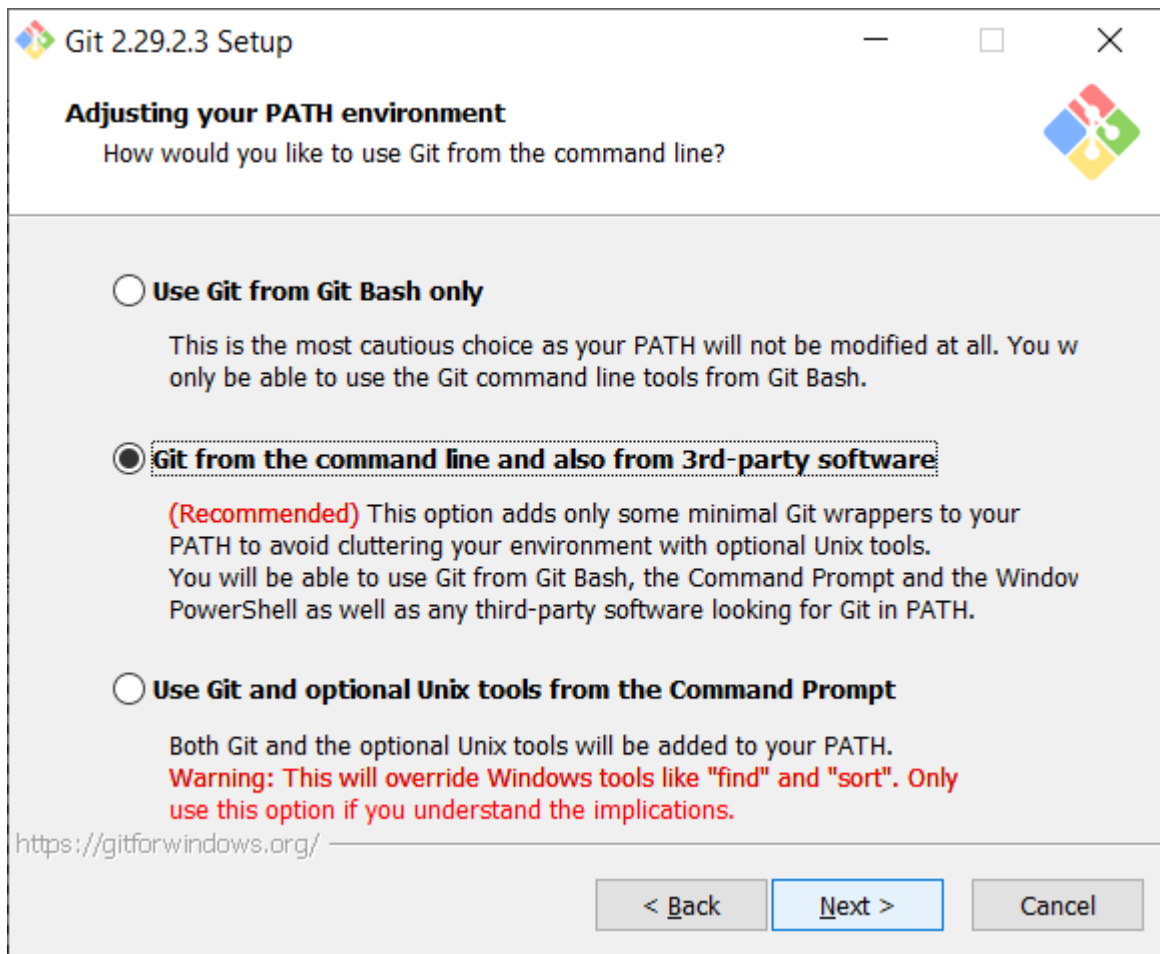


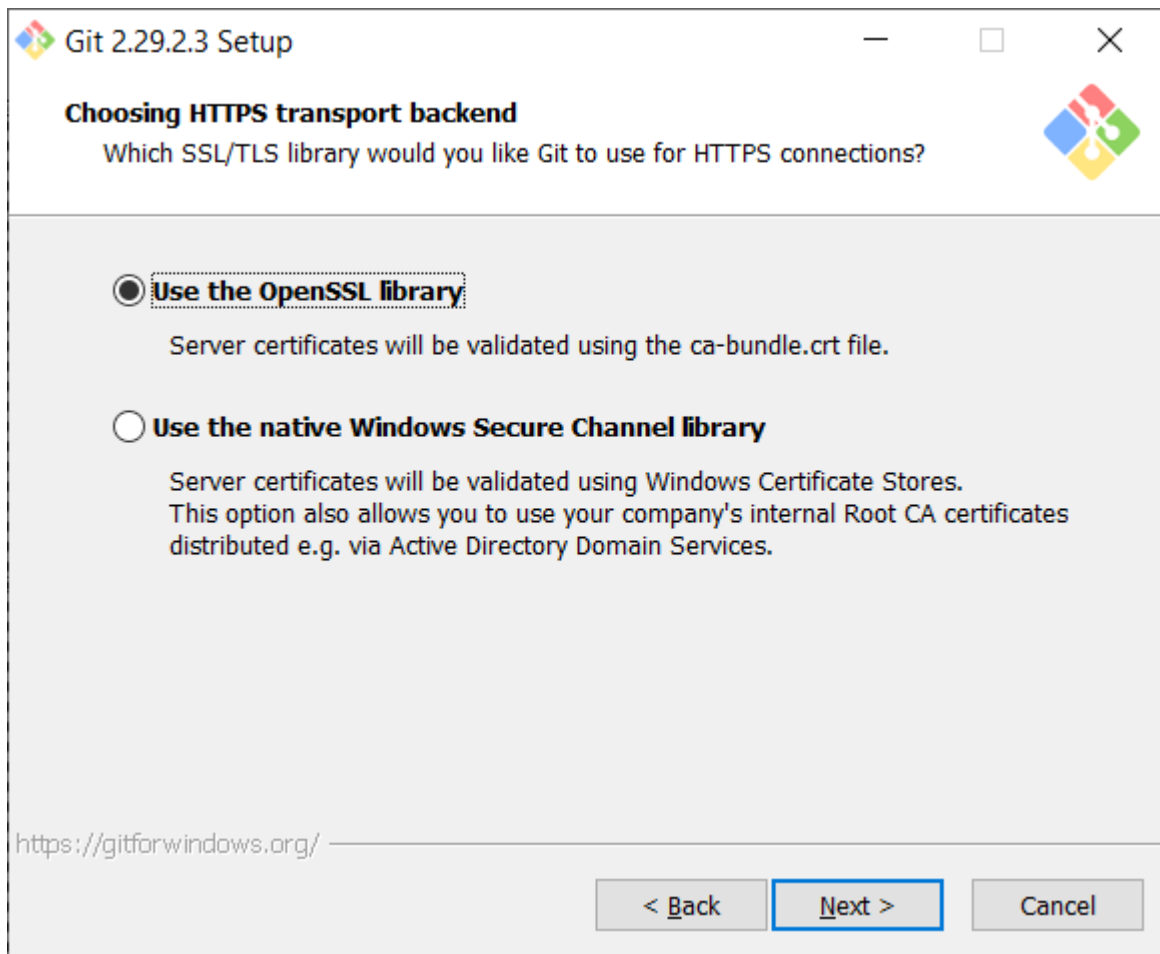


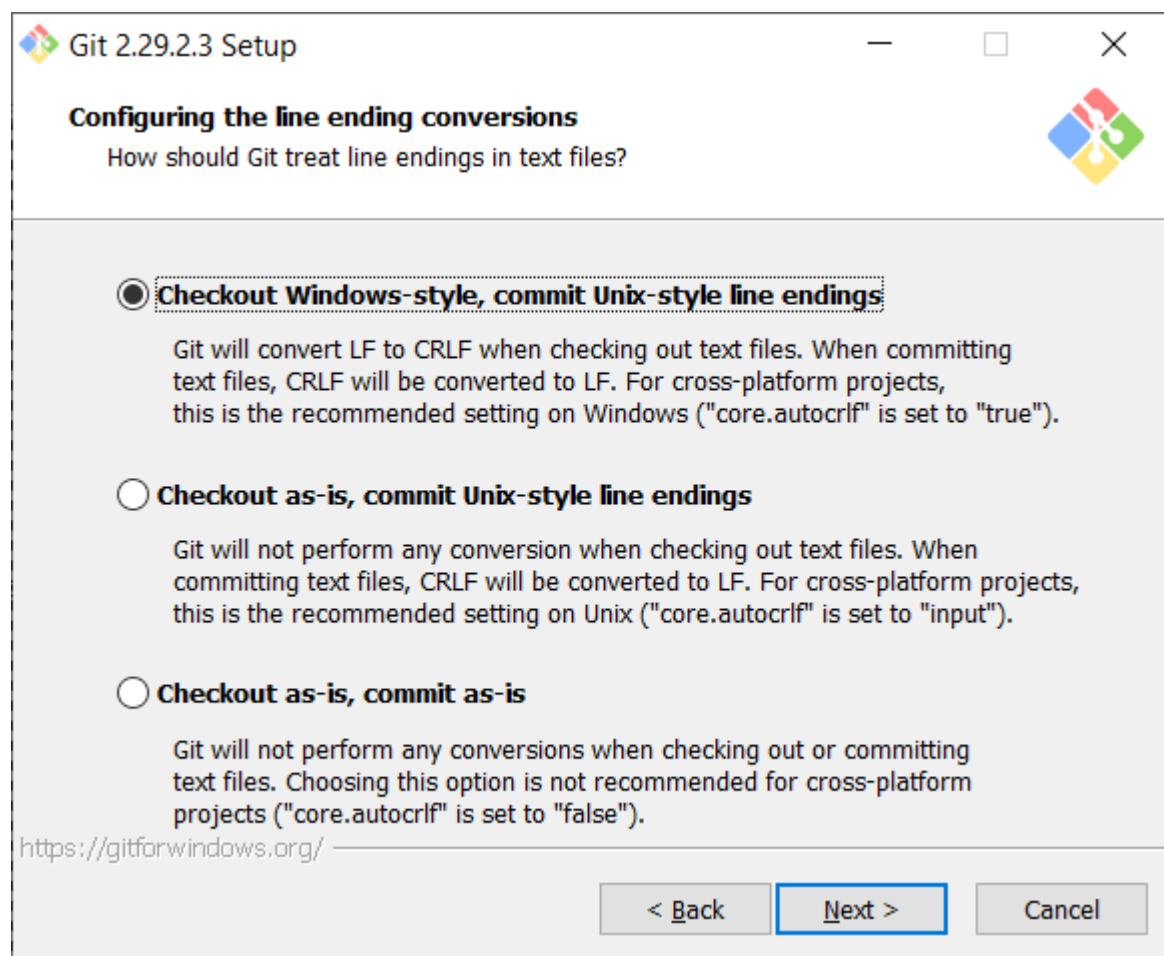


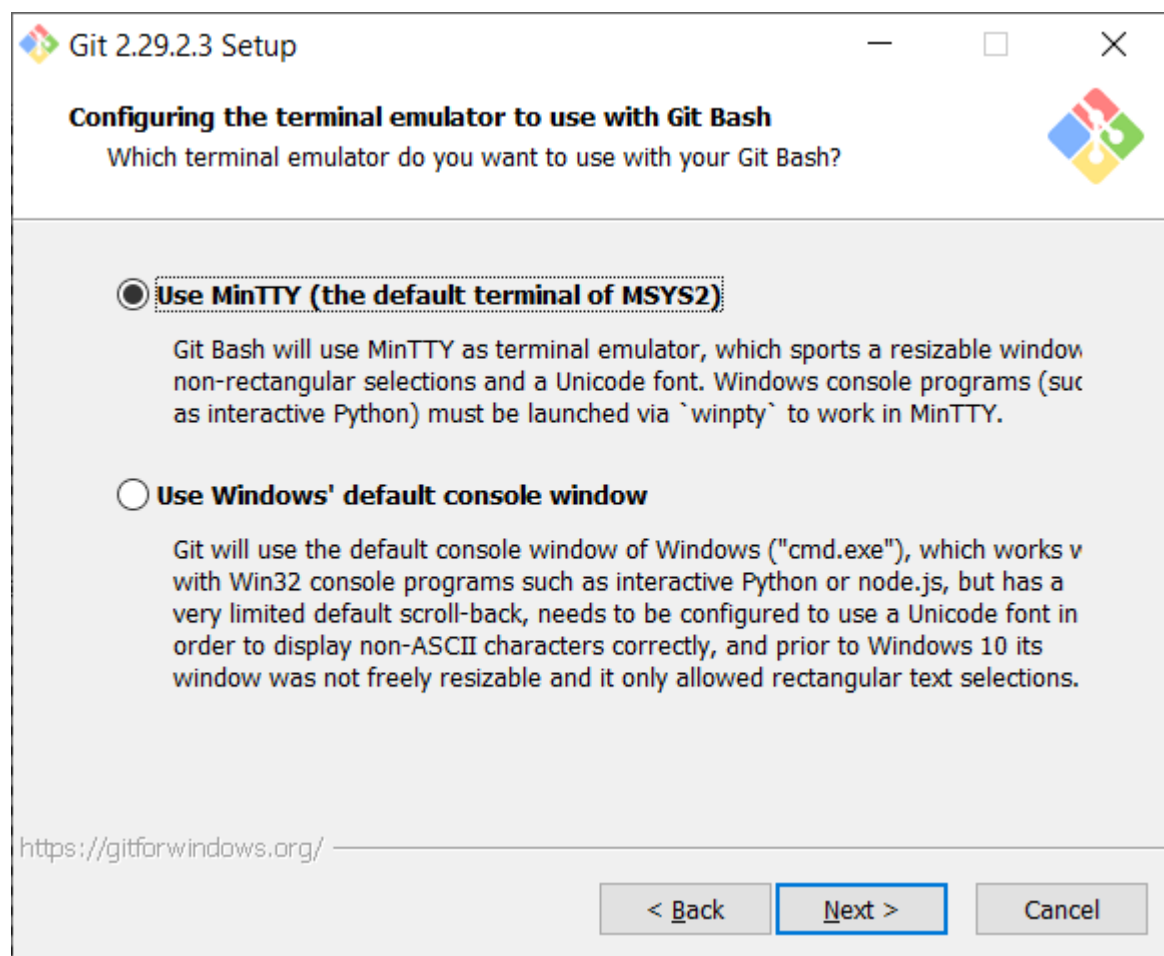


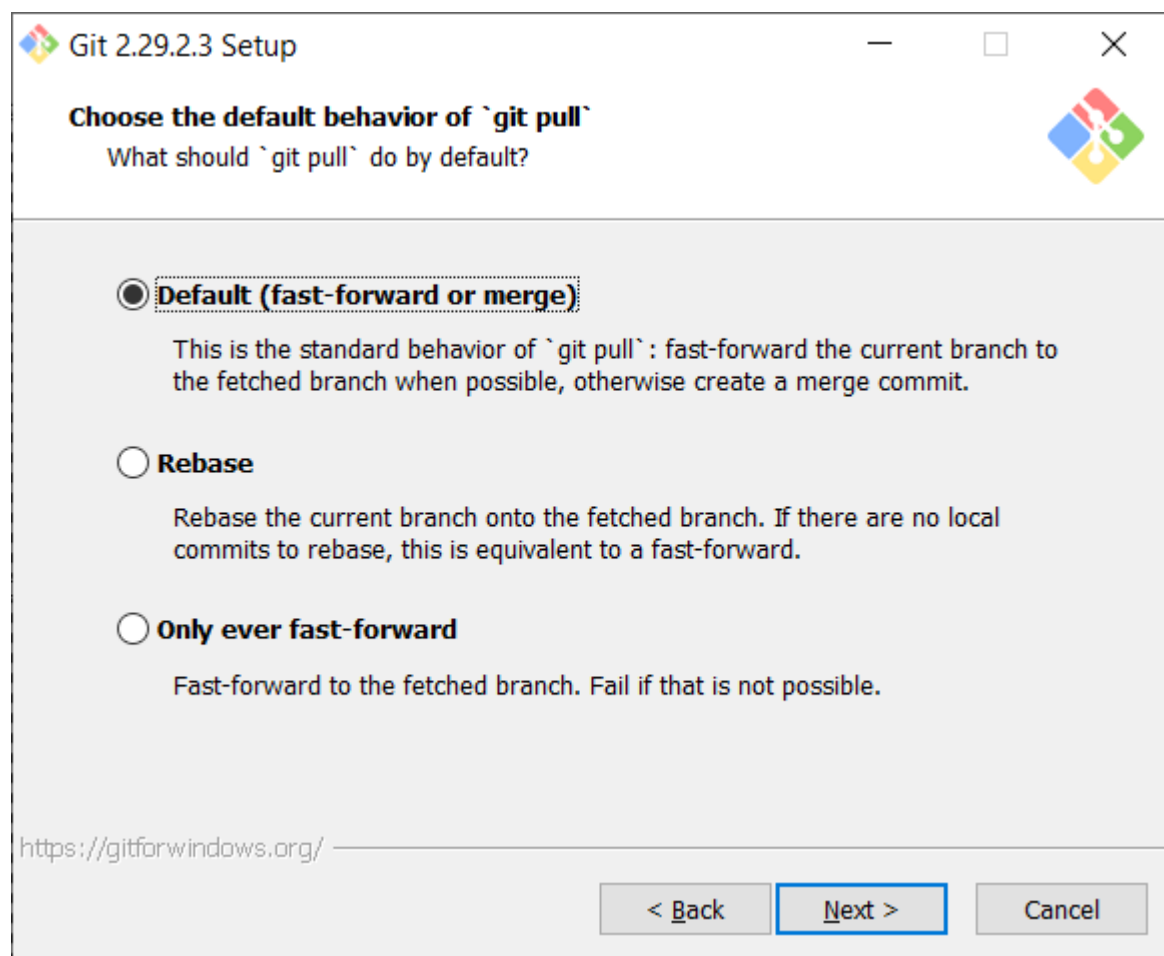


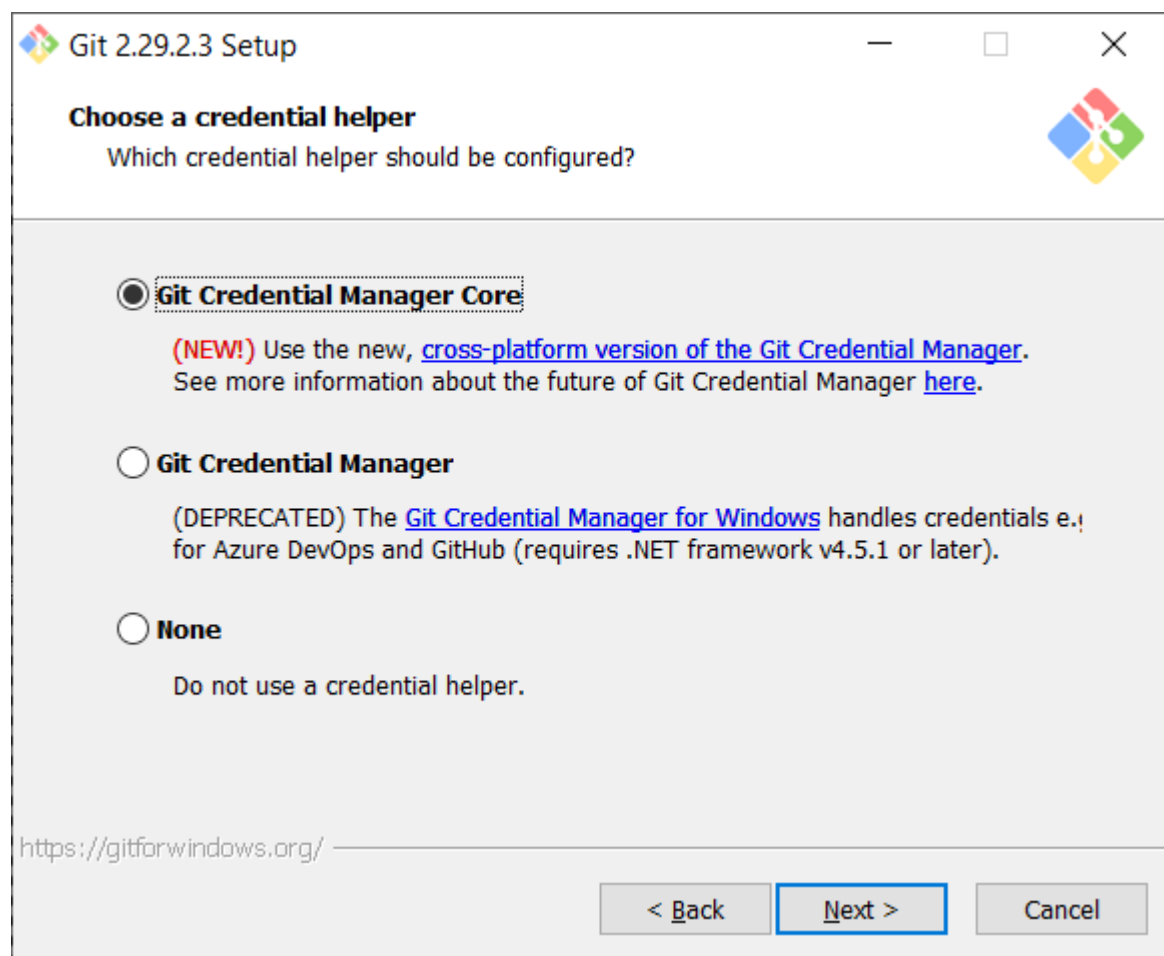


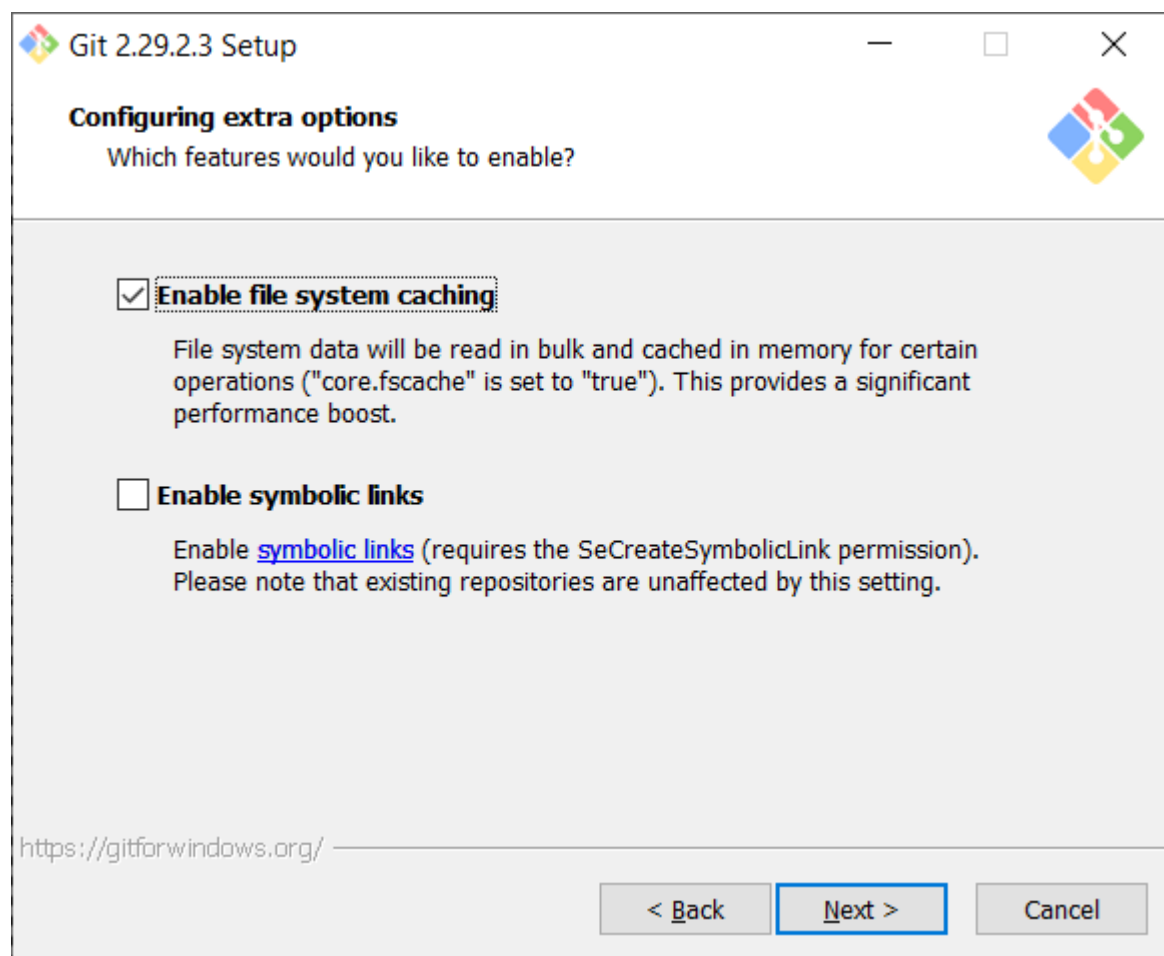


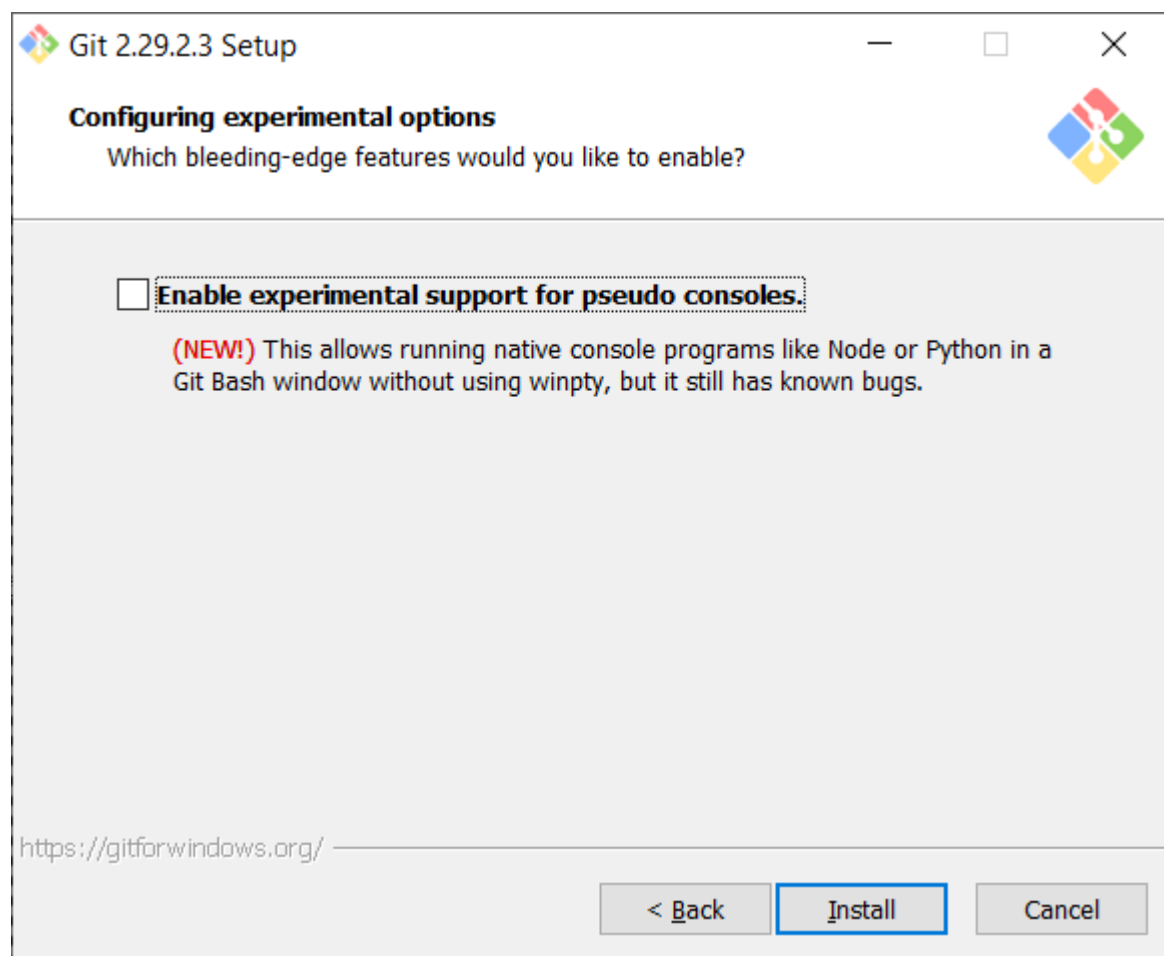


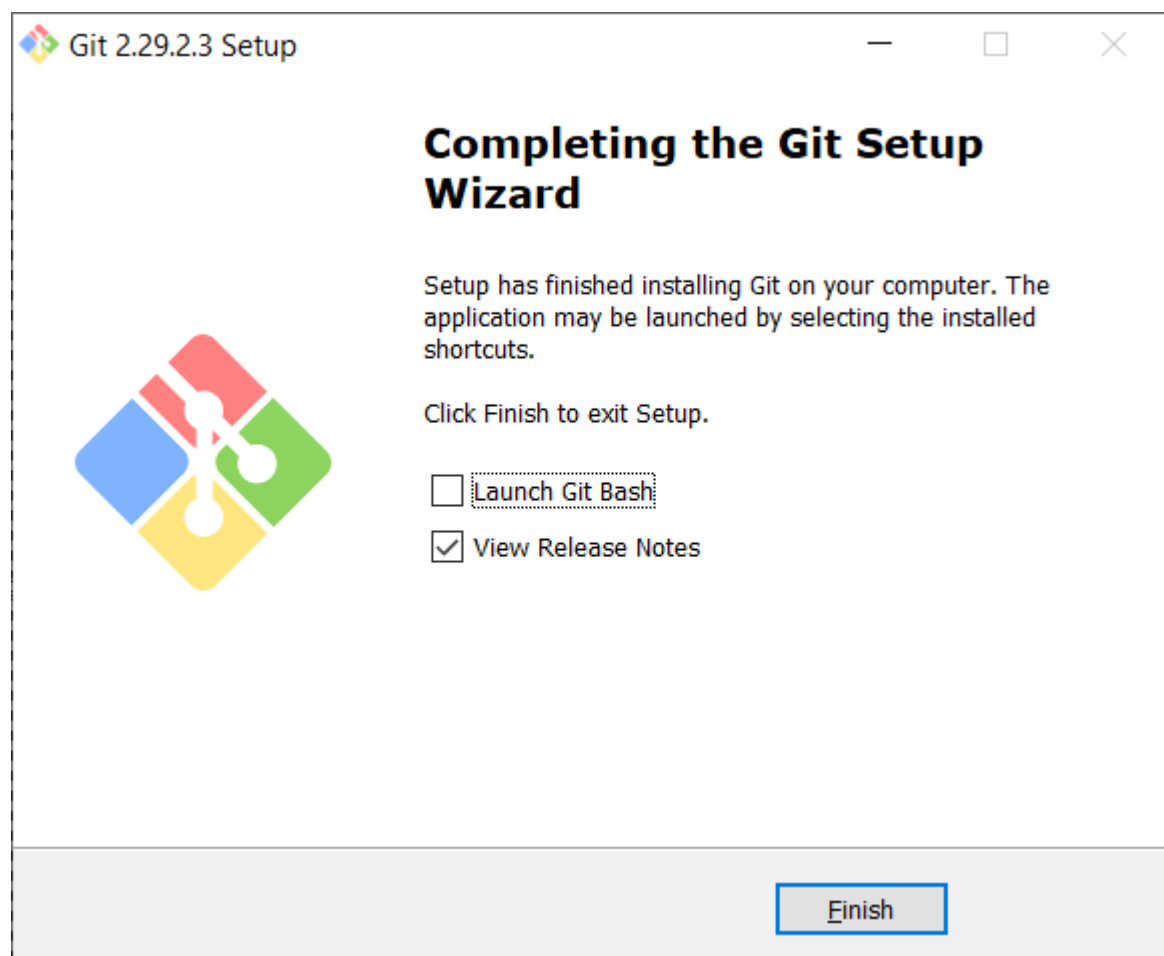




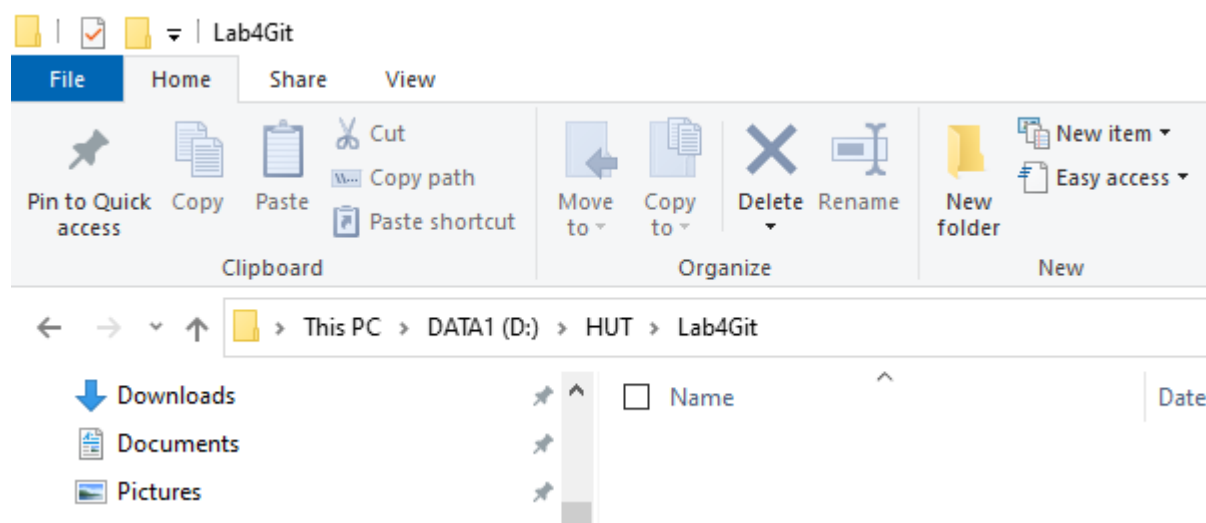






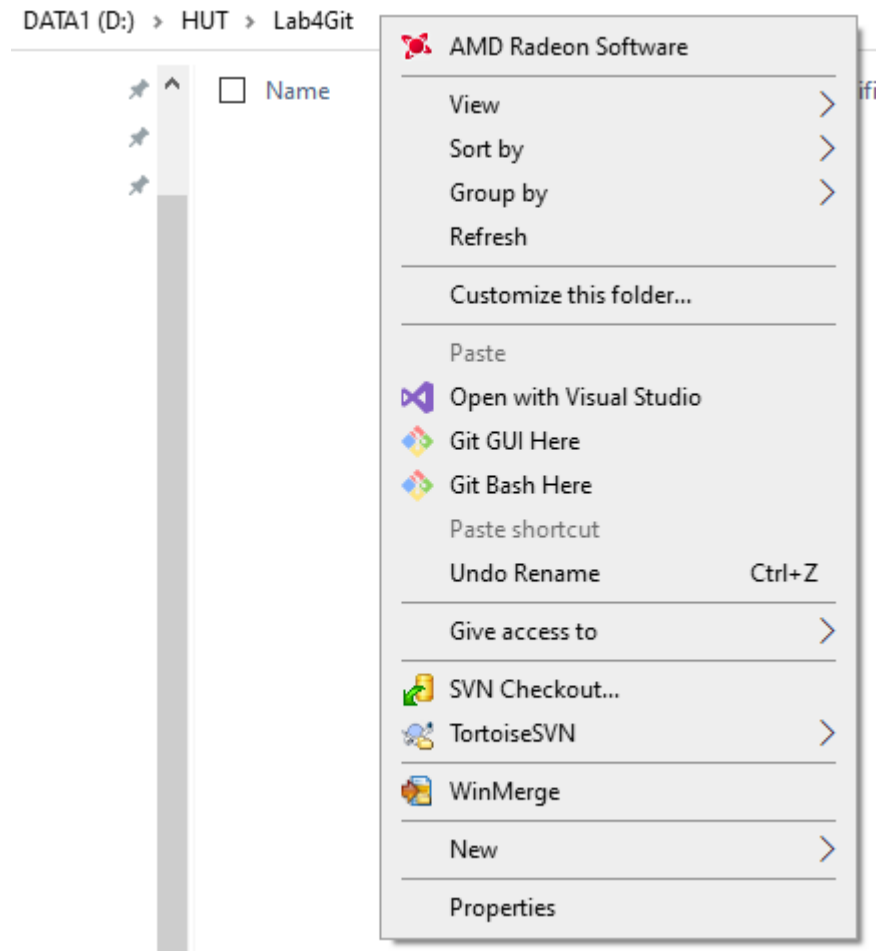


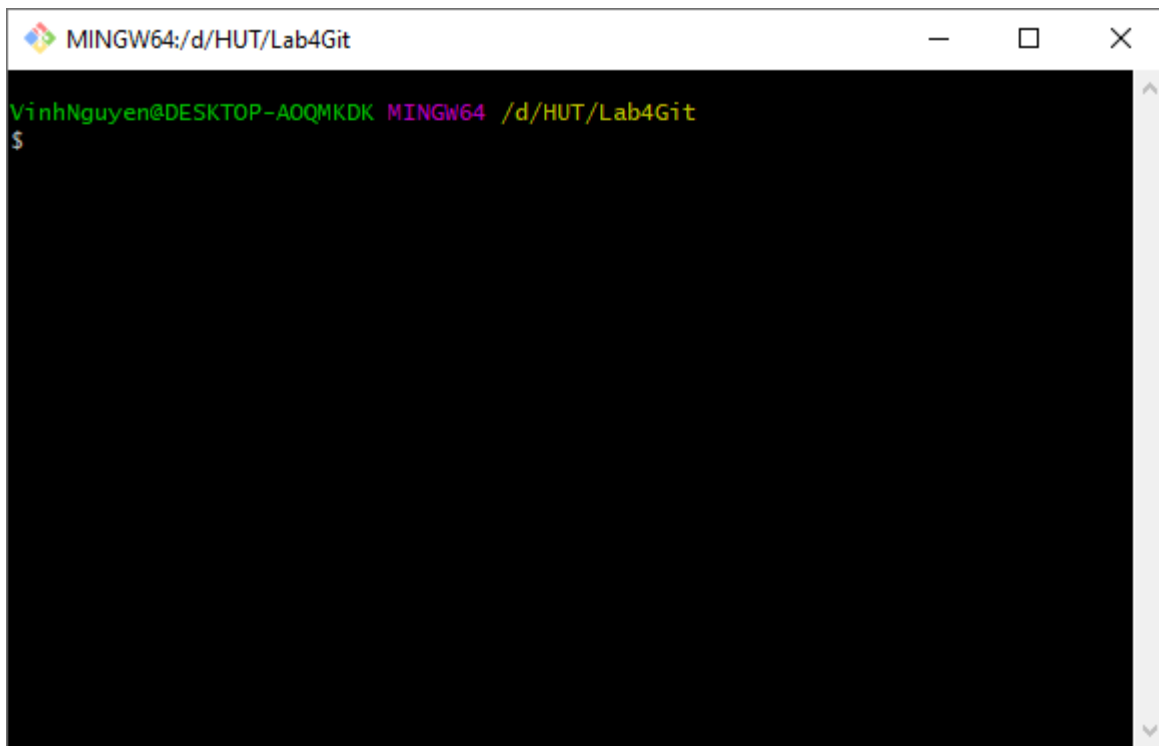
4) Tạo folder ở máy tính để checkout/clone source/document:



5) Mở Git bash

Click chuột phải chọn trong folder ở step 4 => git bash here.

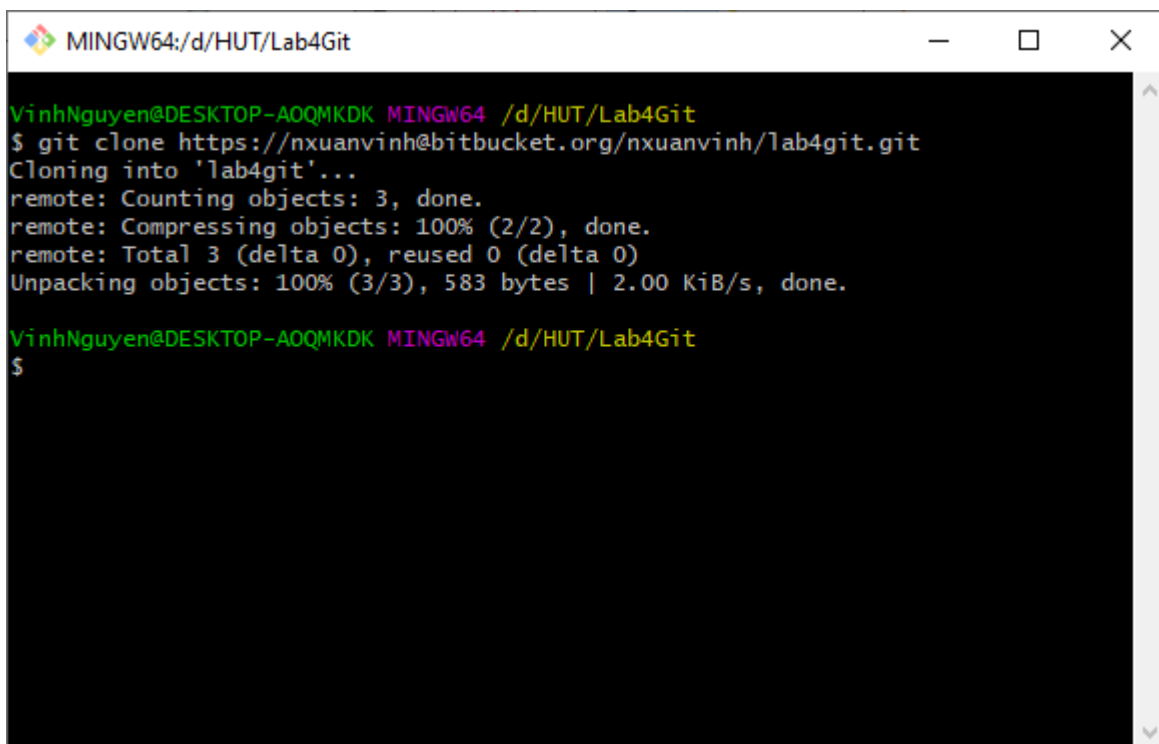




A screenshot of a terminal window titled "MINGW64:/d/HUT/Lab4Git". The prompt is "VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git" followed by a dollar sign "\$". The terminal is currently empty, ready for input.

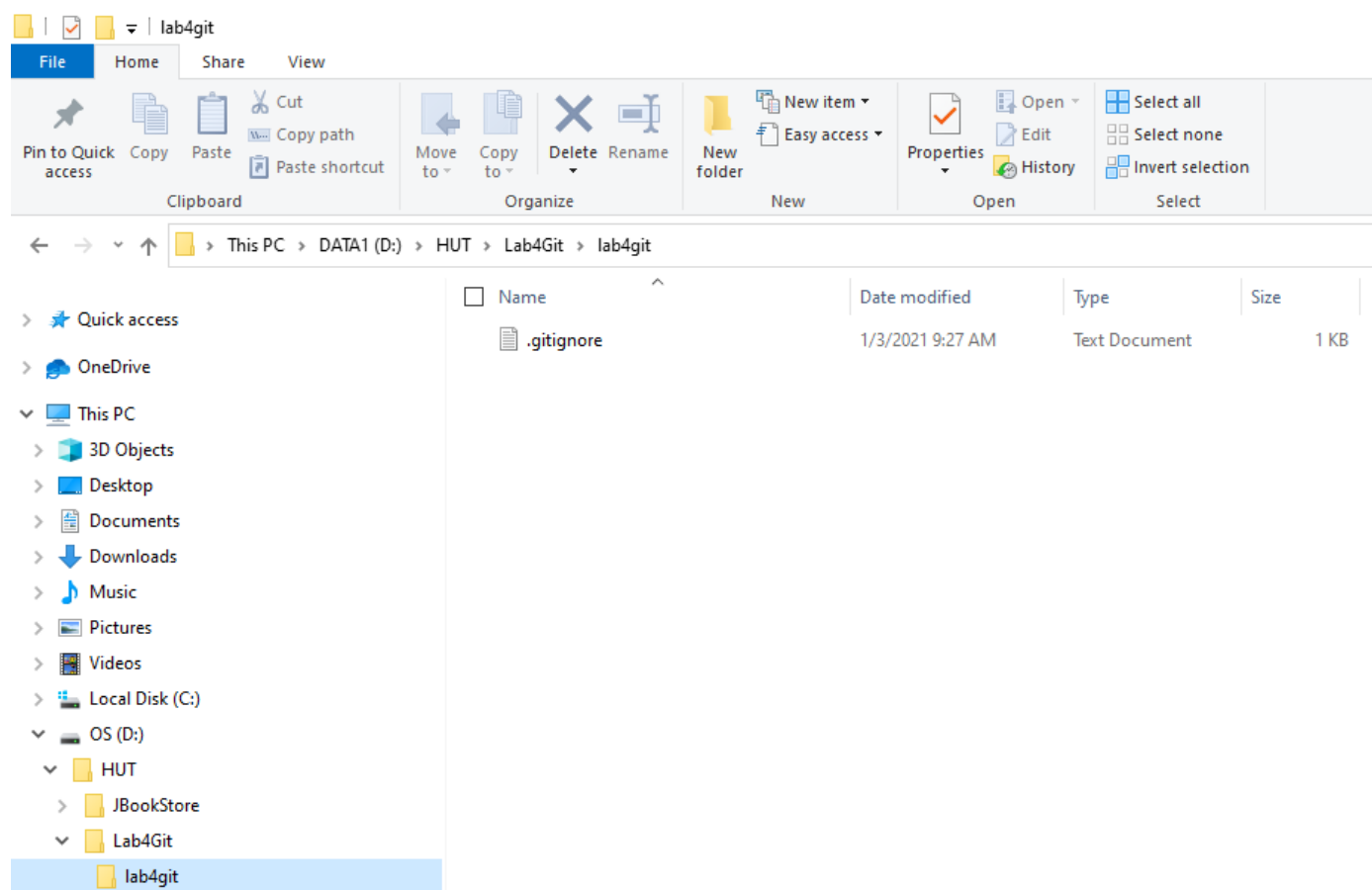
6) Checkout/Clone source ở server về thông qua repos URL (ở step 2)

\$git clone <https link ở step 2>



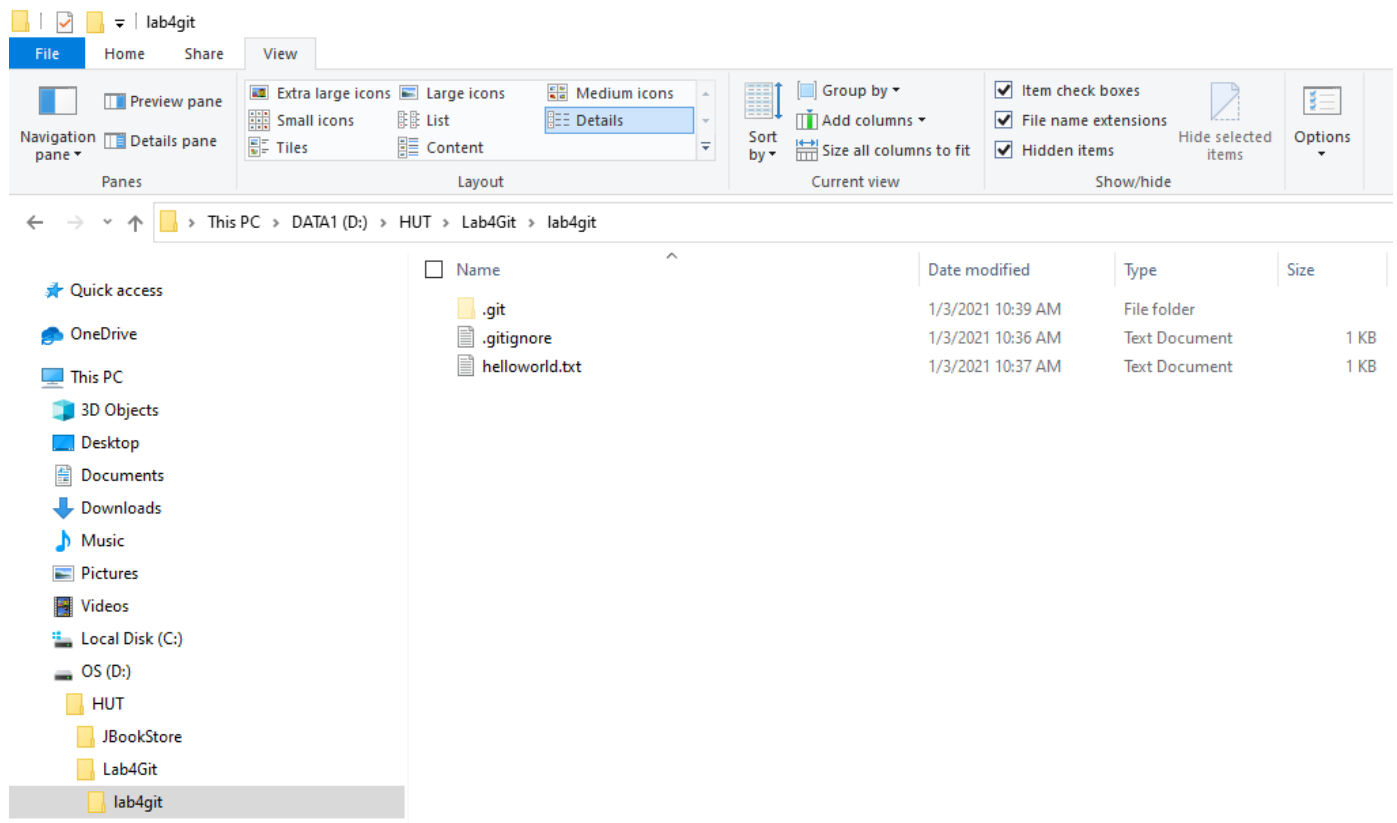
A screenshot of a terminal window titled "MINGW64:/d/HUT/Lab4Git". The prompt is "VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git". The user has entered the command `$ git clone https://nxuanvinh@bitbucket.org/nxuanvinh/lab4git.git`. The terminal output shows the progress of cloning the repository: "Cloning into 'lab4git'...", "remote: Counting objects: 3, done.", "remote: Compressing objects: 100% (2/2), done.", "remote: Total 3 (delta 0), reused 0 (delta 0)", and "Unpacking objects: 100% (3/3), 583 bytes | 2.00 KiB/s, done.". The prompt is now "\$".

Git sẽ tạo folder như trên git server.



7) Tạo file + nội dung

Copy paste file vào folder.



8) Xem các thay đổi ở Working Copy

\$git status

```

MINGW64:/d/HUT/Lab4Git/lab4git
Cloning into 'lab4git'...
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (3/3), 583 bytes | 3.00 KiB/s, done.

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git
$ cd lab4git

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git add .

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   helloworld.txt

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$
    
```

9) Đưa các thay đổi lên stage

\$git cd lab4git

\$git add .

```

MINGW64:/d/HUT/Lab4Git/lab4git
Cloning into 'lab4git'...
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (3/3), 583 bytes | 3.00 KiB/s, done.

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git
$ cd lab4git

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git add .

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   helloworld.txt

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$
    
```

```

MINGW64:/d/HUT/Lab4Git/lab4git

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   helloworld.txt

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git commit -m "Vinh commit file helloworld"
[master dbccd52] Vinh commit file helloworld
1 file changed, 3 insertions(+)
create mode 100644 helloworld.txt

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$
    
```

10) Đưa các thay đổi lên stage lên server

\$git push origin master

```

MINGW64:/d/HUT/Lab4Git/lab4git
VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git commit -m "Vinh commit file helloworld"
[master dbccd52] Vinh commit file helloworld
1 file changed, 3 insertions(+)
create mode 100644 helloworld.txt

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 332 bytes | 332.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://bitbucket.org/nxuanvinh/lab4git.git
e1aabf5..dbccd52 master -> master

VinhNguyen@DESKTOP-A0QMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$
    
```

Kiểm tra file trên bitbucket repos server:

The screenshot shows the Bitbucket web interface for the repository 'Lab4Git' by user 'Vinh Nguyen / HUT'. The interface includes a sidebar with navigation options like Source, Commits, Branches, Pull requests, Pipelines, Jira issues, Downloads, and Repository settings. The main content area displays the repository's source code. A modal window prompts the user to clone the repository. Below this, the file list for the 'master' branch is shown, with columns for Name, Size, Last commit, and Message. The file 'helloworld.txt' is highlighted with a red box, showing it is 42 B in size and was committed 3 minutes ago with the message 'Vinh commit file helloworld'.

Name	Size	Last commit	Message
.gitignore	624 B	2 hours ago	Initial commit
helloworld.txt	42 B	3 minutes ago	Vinh commit file helloworld

11) Lấy những thay đổi từ server => Stage => working copy

\$git pull

```

MINGW64:/d/HUT/Lab4Git/lab4git
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 332 bytes | 332.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://bitbucket.org/nxuanvinh/lab4git.git
   e1aabf5..dbccd52  master -> master

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git pull
Already up to date.

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$
    
```

12) Tạo nhánh (branch)

\$git checkout -b baitapsvn

```

MINGW64:/d/HUT/Lab4Git/lab4git
To https://bitbucket.org/nxuanvinh/lab4git.git
   e1aabf5..dbccd52  master -> master

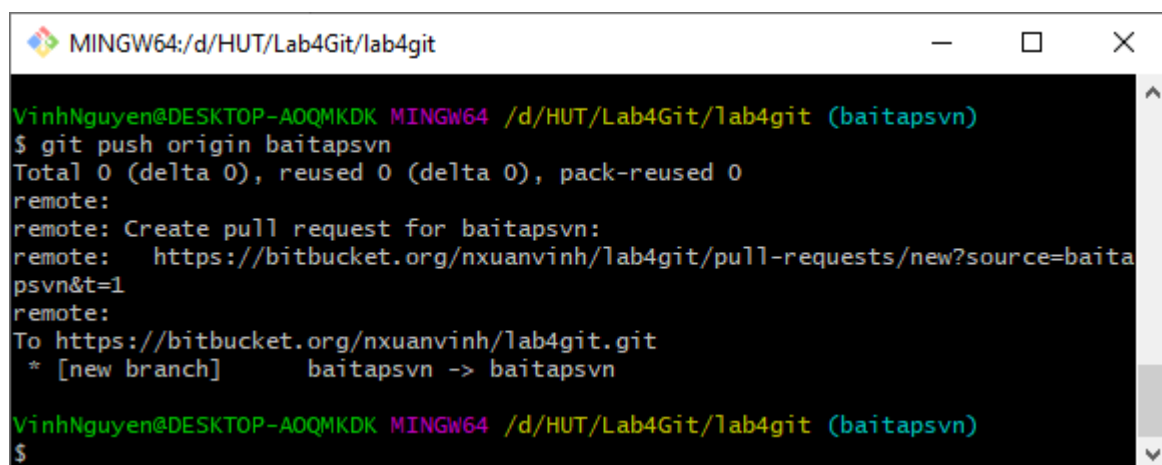
VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git pull
Already up to date.

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git checkout -b baitapsvn
Switched to a new branch 'baitapsvn'

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (baitapsvn)
$
    
```

13) Push nhánh mới lên server

\$git push origin baitapsvn

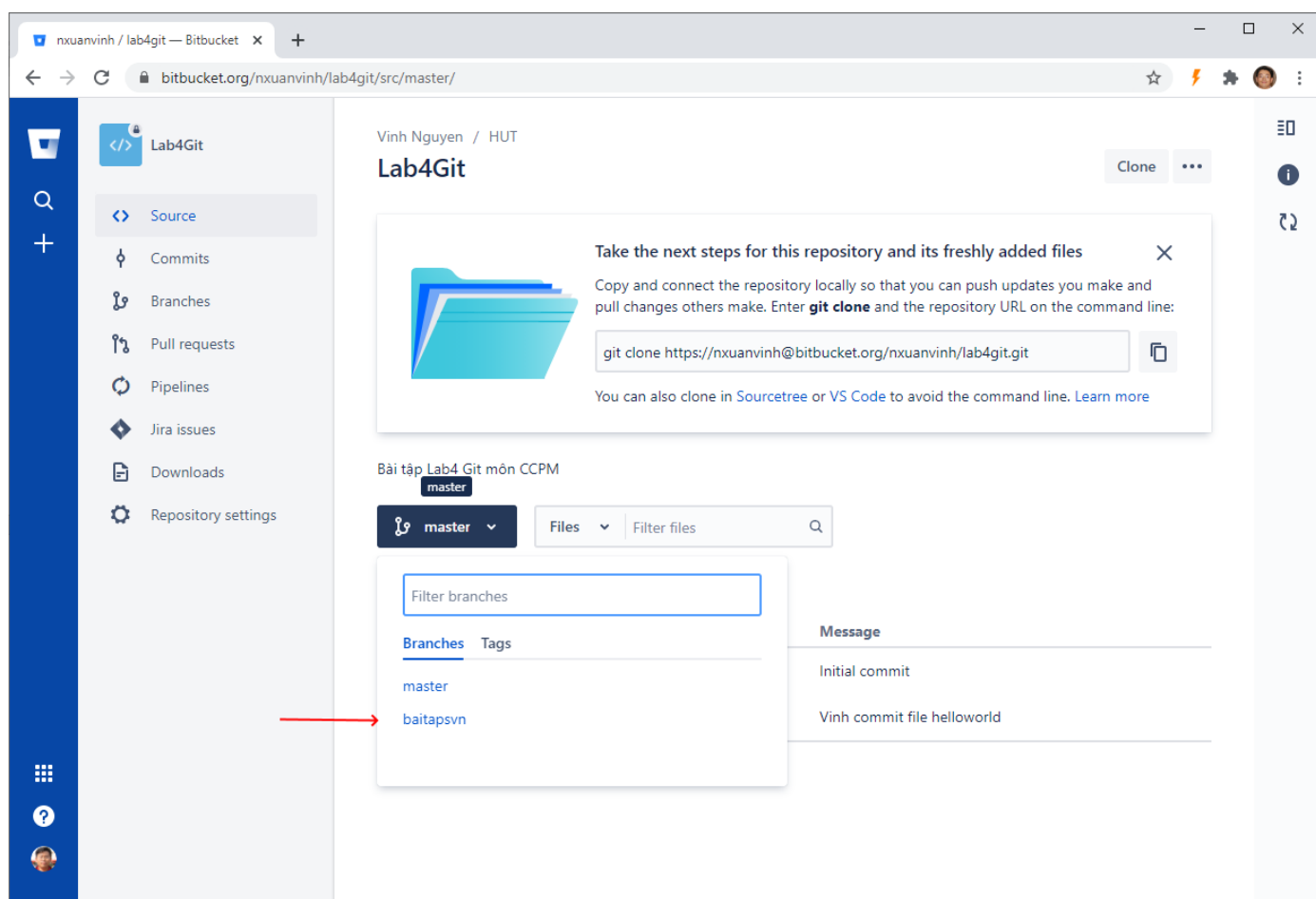


```

MINGW64:/d/HUT/Lab4Git/lab4git
VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (baitapsvn)
$ git push origin baitapsvn
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create pull request for baitapsvn:
remote: https://bitbucket.org/nxuanvinh/lab4git/pull-requests/new?source=baita
psvn&t=1
remote:
To https://bitbucket.org/nxuanvinh/lab4git.git
* [new branch]      baitapsvn -> baitapsvn

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (baitapsvn)
$
    
```

Xem nhánh mới trên bitbucket repos server:



14) Chuyển/switch nhánh master

\$git checkout master

```

MINGW64:/d/HUT/Lab4Git/lab4git
Switched to a new branch 'baitapsvn'

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (baitapsvn)
$ git push origin baitapsvn
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create pull request for baitapsvn:
remote:  https://bitbucket.org/nxuanvinh/lab4git/pull-requests/new?source=baita
psvn&t=1
remote:
To https://bitbucket.org/nxuanvinh/lab4git.git
 * [new branch]      baitapsvn -> baitapsvn

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (baitapsvn)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$
    
```

15) Merge nhánh khác vào nhánh hiện tại

\$git merge baitapsvn

```

MINGW64:/d/HUT/Lab4Git/lab4git

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (baitapsvn)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git merge baitapsvn
Already up to date.

VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ |
    
```

16) Xem log

\$git log

```

MINGW64:/d/HUT/Lab4Git/lab4git
VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ git log
commit dbccd52b5c9e016b5dc7c54a3340929fc780f435 (HEAD -> master, origin/master,
origin/baitapsvn, origin/HEAD, baitapsvn)
Author: nxuanvinh <nxuanvinh@hotmail.com>
Date: Sun Jan 3 10:39:56 2021 +0700

    Vinh commit file helloworld

commit e1aabf5956d9bed6294d960ce8d209d4b380b4cf
Author: Vinh Nguyen <nxuanvinh@hotmail.com>
Date: Sun Jan 3 01:45:14 2021 +0000
....skipping...
commit dbccd52b5c9e016b5dc7c54a3340929fc780f435 (HEAD -> master, origin/master,
origin/baitapsvn, origin/HEAD, baitapsvn)
Author: nxuanvinh <nxuanvinh@hotmail.com>
Date: Sun Jan 3 10:39:56 2021 +0700

    Vinh commit file helloworld

commit e1aabf5956d9bed6294d960ce8d209d4b380b4cf
Author: Vinh Nguyen <nxuanvinh@hotmail.com>
Date: Sun Jan 3 01:45:14 2021 +0000

    Initial commit
~
VinhNguyen@DESKTOP-AOQMKDK MINGW64 /d/HUT/Lab4Git/lab4git (master)
$ |
    
```