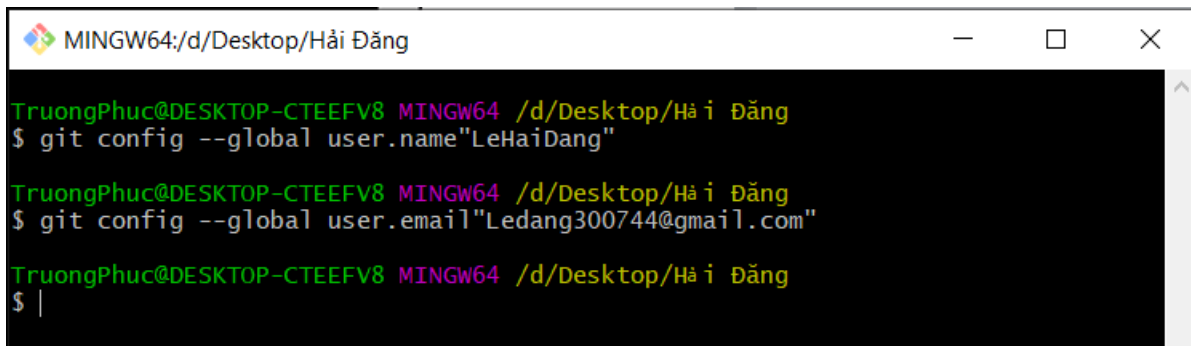


1. Cấu hình GIT



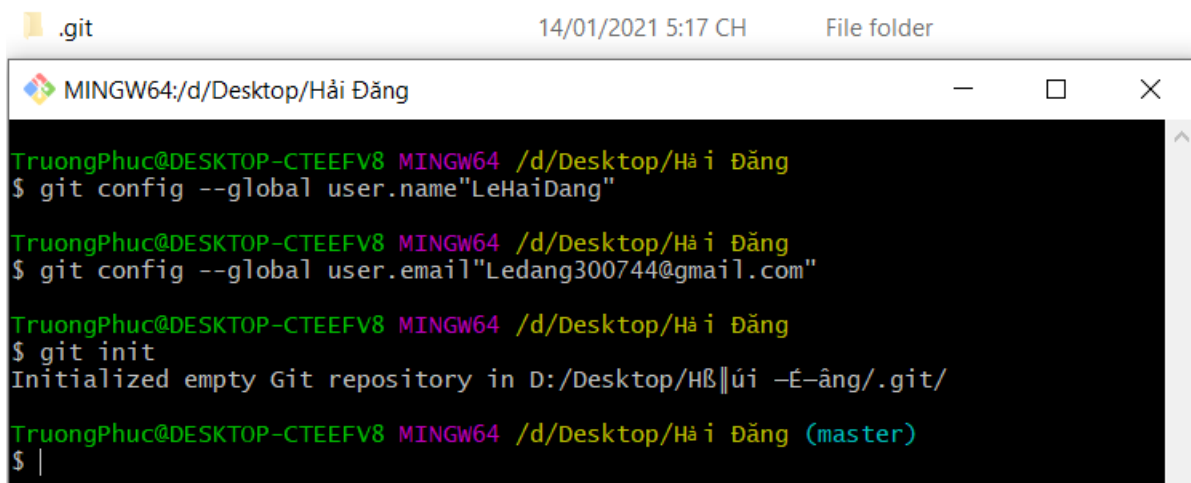
A terminal window titled 'MINGW64:/d/Desktop/Hải Đăng' showing the execution of two Git configuration commands. The prompt is 'TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng'.

```
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng
$ git config --global user.name "LeHaiDang"

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng
$ git config --global user.email "Ledang300744@gmail.com"

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng
$ |
```

2. Lệnh tạo repo mới



A terminal window titled 'MINGW64:/d/Desktop/Hải Đăng' showing the execution of three Git commands. The prompt is 'TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng'.

```
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng
$ git config --global user.name "LeHaiDang"

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng
$ git config --global user.email "Ledang300744@gmail.com"

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng
$ git init
Initialized empty Git repository in D:/Desktop/Hải Đăng/.git/

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng (master)
$ |
```

3. Clone repo từ GitHub về máy

B1: Tạo repo mới trên github

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner *

 Ledang300744 ▾

Repository name *

Test ✓

Great repository names are short and unique. Your new repository will be created as **Test-**. [Learn more about super-duper-octo-rotary-phone?](#)

Description (optional)

☒  **Public**

Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☒ **Add a README file**

This is where you can write a long description for your project. [Learn more.](#)

☐ **Add .gitignore**

Choose which files not to track from a list of templates. [Learn more.](#)

☐ **Choose a license**

A license tells others what they can and can't do with your code. [Learn more.](#)

This will set  **master** as the default branch. Change the default name in your [settings](#).

Create repository

B2: Copy đường dẫn http của repo vừa tạo

Go to file

Add file ▾

↓ Code ▾

 **Clone**



HTTPS SSH GitHub CLI

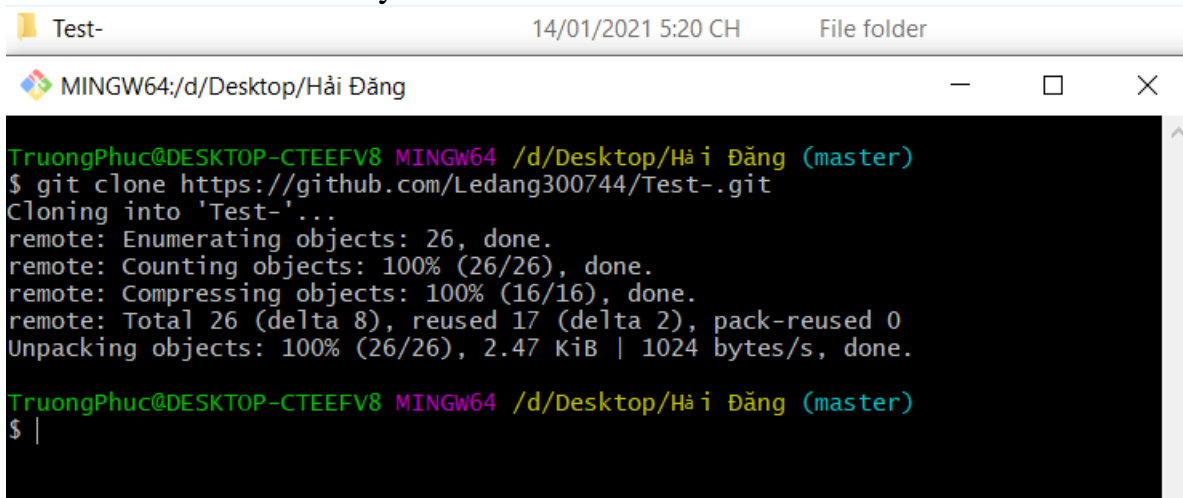


Use Git or checkout with SVN using the web URL.

 **Open with GitHub Desktop**

 **Download ZIP**

B3: Clone về máy



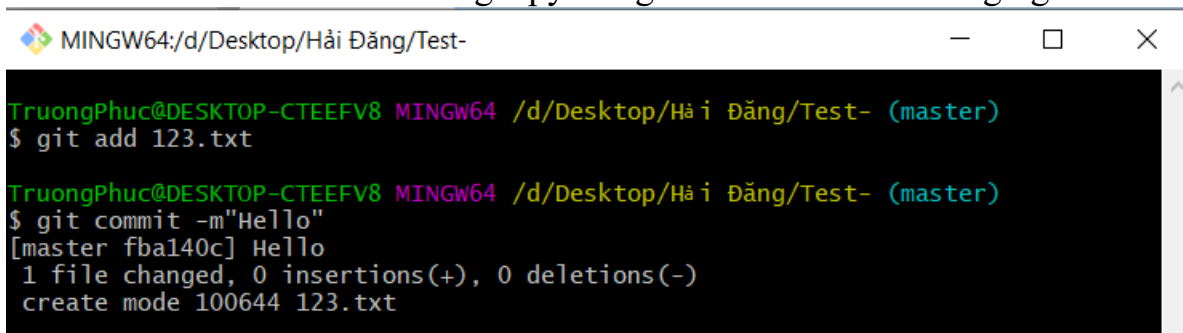
The screenshot shows a Windows File Explorer window with the address bar displaying 'Test-' and the path '14/01/2021 5:20 CH File folder'. Below the address bar, the path 'MINGW64:/d/Desktop/Hà i Đăng' is shown. The main area of the window displays the output of a terminal session. The terminal shows the user 'TruongPhuc@DESKTOP-CTEEFV8' in the 'MINGW64' shell at the directory '/d/Desktop/Hà i Đăng (master)'. The user enters the command '\$ git clone https://github.com/Ledang300744/Test-.git'. The terminal output shows the cloning process: 'Cloning into 'Test-'...', 'remote: Enumerating objects: 26, done.', 'remote: Counting objects: 100% (26/26), done.', 'remote: Compressing objects: 100% (16/16), done.', 'remote: Total 26 (delta 8), reused 17 (delta 2), pack-reused 0', and 'Unpacking objects: 100% (26/26), 2.47 KiB | 1024 bytes/s, done.'. The terminal then shows the user's prompt '\$ |'.

4. Lệnh Commit file

B1: Tạo 1 file .txt

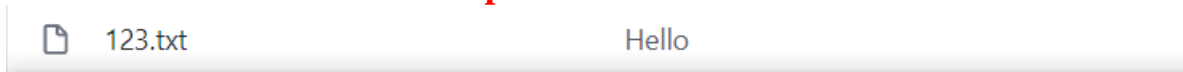
.git	14/01/2021 5:20 CH	File folder	
123	14/01/2021 5:22 CH	Text Document	0 KB
GoodLuck	14/01/2021 5:20 CH	Text Document	1 KB
HelloCCPTPM	14/01/2021 5:20 CH	Text Document	0 KB
mergeconfig	14/01/2021 5:20 CH	Text Document	1 KB
README	14/01/2021 5:20 CH	MD File	1 KB

B2: Add file vào workingcopy và “ghi chú”commit lên staging



The screenshot shows a Windows File Explorer window with the address bar displaying 'Test-' and the path '14/01/2021 5:20 CH File folder'. Below the address bar, the path 'MINGW64:/d/Desktop/Hà i Đăng/Test-' is shown. The main area of the window displays the output of a terminal session. The terminal shows the user 'TruongPhuc@DESKTOP-CTEEFV8' in the 'MINGW64' shell at the directory '/d/Desktop/Hà i Đăng/Test- (master)'. The user enters the command '\$ git add 123.txt'. The terminal output shows the file being added to the staging area. The user then enters the command '\$ git commit -m"Hello"'. The terminal output shows the commit message '[master fba140c] Hello' and the file being committed: '1 file changed, 0 insertions(+), 0 deletions(-) create mode 100644 123.txt'.

5. Push file lên remote repo



The screenshot shows a Windows file explorer window. The title bar says '123.txt' and 'Hello'. The file icon is a document with a blue and green logo. The file name is '123.txt' and the content is 'Hello'.

```
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master)
$ git add 123.txt

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master)
$ git commit -m"Hello"
[master fba140c] Hello
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 123.txt

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master)
$ git push origin master
Logon failed, use ctrl+c to cancel basic credential prompt.
git: 'credential-cache' is not a git command. See 'git --help'.
git: 'credential-cache' is not a git command. See 'git --help'.
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 239 bytes | 239.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Ledang300744/Test-.git
  51f3ba5..fba140c  master -> master
```

6. Phục hồi về một phiên bản trước

Kiểm tra danh sách các phiên bản:

```
MINGW64:/d/Desktop/Hải Đăng/Test-
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ git log
commit fba140c0443426e53e1b66e89c5f329898f6451a (HEAD -> master, origin/master,
origin/HEAD)
Author: Truong Phuc <tranmaitruongphuc99@gmail.com>
Date: Thu Jan 14 17:23:42 2021 +0700

    Hello

commit 51f3ba556dae083d91a447adbbe10e1469091c2f
Merge: 7a92bb4 b81a5c5
Author: Truong Phuc <tranmaitruongphuc99@gmail.com>
Date: Wed Jan 13 18:54:23 2021 +0700

    Revert "123 hahaha"

    This reverts commit 1afa3546ed0467aeb3ae740867c8a39fb579d09e.

commit 1afa3546ed0467aeb3ae740867c8a39fb579d09e
Date: Wed Jan 13 16:55:43 2021 +0700

    Revert "123 hahaha"

    This reverts commit 1afa3546ed0467aeb3ae740867c8a39fb579d09e.

commit 1afa3546ed0467aeb3ae740867c8a39fb579d09e
Author: Truong Phuc <tranmaitruongphuc99@gmail.com>
Date: Wed Jan 13 16:54:01 2021 +0700

    123 hahaha

commit 7ba4422d003a177839892c35aaee42dea82a4eb3
Author: Truong Phuc <tranmaitruongphuc99@gmail.com>
Date: Wed Jan 13 16:44:22 2021 +0700

    Tôi là Hải Đăng

commit ab01aa99fcc97028deb31d89a74c85da864239b1
Author: Ledang300744 <56666631+Ledang300744@users.noreply.github.com>
Date: Wed Jan 13 16:34:08 2021 +0700

    Initial commit
~
~
~
```

Dùng câu lệnh “git revert HEAD” để revert lại phần commit trước hoặc có thể check git log lấy mã commit để revert theo mã commit:

[illegible]

7. Tạo nhánh, Xóa nhánh

Tạo nhánh:



The screenshot shows a Windows terminal window with the title bar "MINGW64:/d/Desktop/Hải Đăng/Test-". The terminal content is as follows:

```
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ git branch
  DANG
* master

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ |
```

Xóa nhánh:



The screenshot shows a Windows terminal window with the title bar "MINGW64:/d/Desktop/Hải Đăng/Test-". The terminal content is as follows:

```
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ git branch
DANG
* master

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ git branch -d DANG
Deleted branch DANG (was 4683b76).

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ git branch
* master

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ |
```

8. Chuyển đổi giữ các nhánh

```
MINGW64:/d/Desktop/Hà i Đăng/Test-

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master)
$ git branch
HK
* master


TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master)
$ git checkout HK
Switched to branch 'HK'

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (HK)
$ git branch
* HK
  master

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (HK)
$ |
```

9. Gộp nhánh


Nhánh master:


 master ▾






5 branches 0 tags

Go to file


Add file ▾

 Code ▾

 Panda0503 Hello fba140c 13 minutes ago 11 commits

	123.txt	Hello	13 minutes ago
	GoodLuck.txt	1	23 hours ago
	HelloCCPTPM.txt	Toi la Hai Dang	yesterday
	README.md	Initial commit	yesterday
	mergeconfig.txt	complete	23 hours ago


Nhánh HK:



 HK ▾


5 branches 0 tags






Go to file

Add file ▾

 Code ▾

This branch is 2 commits ahead of master.  Pull request  Compare

 Panda0503 hi 7575698 1 minute ago 13 commits

	GoodLuck.txt	1	23 hours ago
	HelloCCPTPM.txt	Toi la Hai Dang	yesterday
	QWERTYUIOP.txt	hi	1 minute ago
	README.md	Initial commit	yesterday
	mergeconfig.txt	complete	23 hours ago

Gộp nhánh HK vào master:

master 5 branches 0 tags

Panda0503 hi		
GoodLuck.txt	1	
HelloCCPTPM.txt	Toi la Hai Dang	
QWERTYUIOP.txt	hi	
README.md	Initial commit	
mergeconfig.txt	complete	

README.md

```
MINGW64/d/Desktop/Hải Đăng/Test-
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (HK)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ git merge HK
Updating 4683b76..7575698
Fast-forward
 QWERTYUIOP.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 QWERTYUIOP.txt

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ git push origin master
Logon failed, use ctrl+c to cancel basic credential prompt.
git: 'credential-cache' is not a git command. See 'git --help'.
git: 'credential-cache' is not a git command. See 'git --help'.
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Ledang300744/Test-.git
 fba140c..7575698 master -> master
```

10.Lệnh merge trong trạng thái xung đột

- Giả thiết, có 2 nhánh: **master** và **HK**. Ở nhánh **master**, ta thực hiện chỉnh sửa Demo.txt. Sau đó thực hiện commit.



Demo - Notepad

File Edit Format View Help

Hello everybody|

- Ở nhánh **HK**, ta thực hiện chỉnh sửa Demo.txt.



Demo - Notepad

File Edit Format View Help

My name is DANG|

- Sau khi commit chỉnh sửa từ nhánh **master**, ta thực hiện merge lại file từ nhánh **HK**. Lúc này, git sẽ thông báo xung đột ở Demo.txt.

```
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hải Đăng/Test- (master)
$ git merge HK
CONFLICT (add/add): Merge conflict in Demo.txt
Auto-merging Demo.txt
Automatic merge failed; fix conflicts and then commit the result.
```


- Ta tiến hành chỉnh sửa Demo.txt

```
Demo - Notepad
File Edit Format View Help
|<<<<<<< HEAD
Hello everybody
=====
My name is DANG
>>>>>> HK
```

- Sau khi chỉnh sửa, ta thực hiện commit và push lên remote repo:

```
TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master|MERGING)
$ git add Demo.txt

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master|MERGING)
$ git commit -m"update sau khi conflit tu nhanh HK"
[master 88030fa] update sau khi conflit tu nhanh HK

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master)
$ git push origin master
Logon failed, use ctrl+c to cancel basic credential prompt.
git: 'credential-cache' is not a git command. See 'git --help'.
git: 'credential-cache' is not a git command. See 'git --help'.
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 364 bytes | 364.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Ledang300744/Test-.git
  3af40b8..88030fa master -> master

TruongPhuc@DESKTOP-CTEEFV8 MINGW64 /d/Desktop/Hà i Đăng/Test- (master)
$ |
```