

How to use GitHub and SourceTree

ENG. LAMYA GABER



Create your accounts

- First of all you need to go to <https://courses.amrabet.me/?redirect=0>
- Sign up and enroll in the [CSE115 Programming Languages](#)
- To submit your assignment you need to create a GitHub account if you don't have.
- This can be done by going to <https://github.com>. To see the instruction, please go to <https://courses.amrabet.me/?redirect=0> and find the pdf file named as "Create GitHub account File".
- Now, you should go to <https://classroom.github.com/a/TldKtTY6> with your account on GitHub to clone or download a project to write your code in it.



Programming Languages

@ProgrammingLanguagesClass



Accepted the **Assignment 0 - Hello, World!** assignment

You are ready to go!

You may receive an invitation to join @ProgrammingLanguagesClass via email invitation on your behalf. No further action is necessary.

Your assignment has been created here: <https://github.com/ProgrammingLanguagesClass/assignment-0-hello-world-LamyaGaber>

Private

↔ Code

🔔 Issues 0

🔗 Pull requests 0

📁 Projects 0

📖 Wiki

📊 Insights

⚙ Settings

assignment-0-hello-world-LamyGaber created by GitHub Classroom

Edit

[Manage topics](#)

🕒 2 commits

🔗 1 branch

🏷 0 releases

👤 1 contributor

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾



amrabad Update README.md



.travis.yml

Initial commit



CMakeLists.txt

Initial commit



README.md

Update README.md



solution.cpp

Initial commit

Clone with HTTPS ?

[Use SSH](#)

Use Git or checkout with SVN using the web URL.

`https://github.com/ProgrammingLanguagesC`



Open in Desktop

Download ZIP

Write your code

- Then open the downloaded project and edit `solution.cpp` in your IDE.
- After finishing your code, make sure that it compiles and runs without errors.
- Then you need to push this file on GitHub. So you have to create a new repository (repo).
- A repository is a storage space where your projects can live. It can be local to a folder on your computer or it can be a storage space on a GitHub or any other online host.
- In repository, you can keep code files, text files, image files inside a repository.
- So how do we create it?. Ok, please go to your account on GitHub. Then do the following steps.



Search or jump to...



[Pull requests](#)

[Issues](#)

[Marketplace](#)

[Explore](#)



New repository

Import repository

New gist

New organization

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

[Read the guide](#)

[Start a project](#)



GitHub Universe

October 16-17 in San Francisco
Get your tickets today



Our new Terms of Service and Privacy
Statement are in effect.

Repositories

[New repository](#)

Browse activity

[Discover repositories](#)

Discover interesting projects and people to populate your personal news feed.

Your news feed helps you keep up with recent activity on repositories you [watch](#)
and people you [follow](#).

[Explore GitHub](#)

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

 LamyGaber ▾

Repository name

/ Assignment1 ✓

Great repository names are short and memorable. Need inspiration? How about **shiny-palm-tree**.

Description (optional)

Hello world



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

☐ **Initialize this repository with a README**

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None ▾

Add a license: None ▾



Create repository

Quick setup — if you've done this kind of thing before

 Set up in Desktop or **HTTPS** **SSH** <https://github.com/LamyaGaber/Assignment1.git>



We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# Assignment1" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/LamyaGaber/Assignment1.git
git push -u origin master
```



...or push an existing repository from the command line

```
git remote add origin https://github.com/LamyaGaber/Assignment1.git
git push -u origin master
```



...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

Import code

SourceTree Program

- In this step, you need to push your code in your online repository, so you need to install SourceTree program.
- This is a simple program instead of using the command line you can manage changes to your source code in a visual way.
- After installing SourceTree program, you have to do the following steps.



- ☒ Install
- ☐ **License agreement**
- ☐ Atlassian account
- ☐ Remotes
- ☐ Install tools
- ☐ Starting repository
- ☐ Clone repository



SourceTree is a Git client provided completely free by [Atlassian](#)

☒ I agree to the [license agreement](#)

☒ Help improve SourceTree by sending [data about your usage](#)

Continue



- ☒ Install
- ☒ License agreement
- ☐ **Atlassian account**
- ☐ Remotes
- ☐ Install tools
- ☐ Starting repository
- ☐ Clone repository

Log in to your Atlassian account

You will be prompted for your Atlassian account details. You only have to log in once to complete your registration.



Use an existing account

Go to My Atlassian

My Atlassian

New SourceTree License

Thank you for your interest in SourceTree. Please enter the name which you would like the license to be licensed to:

Organization

CSE

By clicking here you accept the [Atlassian Customer Agreement](#).

Generate License

[Cancel](#)



- ☒ Install
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- ☐ Clone repository

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Use an existing account

Go to My Atlassian



- ✓ Install
- ✓ License agreement
- ✓ Atlassian account
- Remotes**
- Install tools
- Starting repository
- Clone repository

Connect an Account

Connect to a remote server to clone existing repositories. If you don't already have a Bitbucket account, you can [sign up for free](#).



Host URL:

Username:

Password:



- ☒ Install
- ☒ License agreement
- ☒ Atlassian account
- ☒ Remotes
- ☒ **Install tools**
- ☐ Starting repository
- ☐ Clone repository

Downloading version control systems...

Tool installation completed.

☒ Configure automatic line ending handling by default (recommended)

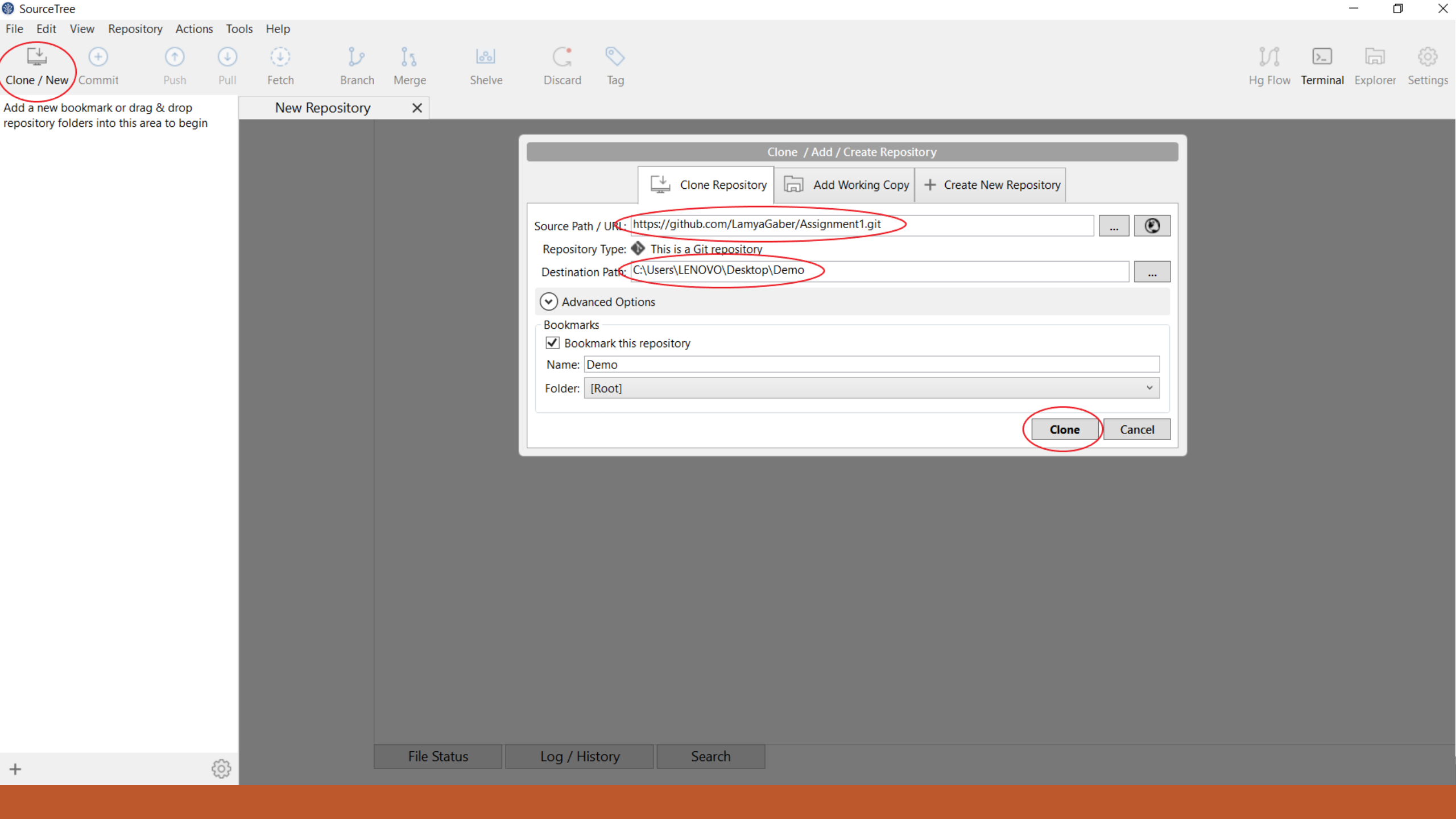
Skip Setup

Continue

Clone Your repository

- After installing SourceTree, you can clone your online repository by going to clone icon in source tree and past the copied link of your repository on GitHub.
- Then create a new folder to clone your repository on it.
- Copy the path of this new folder to the Destination Path.
- Then click clone.

Note: In our example a new folder is called “Demo”.



Push your project

- Now, copy your assignment project to the new folder you have created.
- After copying, you will find all files in your project in “unstages files”.
- To push one of these files or even all files on your local repository, you will click stage selected or stage all.
- If you need to add a commit message in your project, e.g. it is your first change, you can add this message and click commit. This is very helpful if you are working on a large project you have to do many changes on your code. So you can track every change by adding a commit of each.
- To push the committed files on your online repository on GitHub, click push icon as the following steps.
- You can check the existence of these files on your online repository on GitHub.

Pending files, sorted by file status



Search



Staged files

Unstage All

Unstage Selected

Test1/Test1/Source.cpp



File Contents

Stage hunk

```
1 void main(){  
2  
3 }
```

Unstaged files

Stage All

Stage Selected

- Test1/Test1/Debug/Test1.tlog/Test1.lastbuildstate
- Test1/Test1/Debug/Test1.tlog/cl.command.1.tlog
- Test1/Test1/Debug/Test1.tlog/link.command.1.tlog
- Test1/Test1/Debug/Test1.tlog/link.read.1.tlog
- Test1/Test1/Debug/Test1.tlog/link.write.1.tlog
- Test1/Test1/Debug/vc120.idb
- Test1/Test1/Source.cpp**
- Test1/Test1/Test1.vcxproj
- Test1/Test1/Test1.vcxproj.filters



LamyGaber <Lamy_Gaber1>



Commit options...

initial commit

☐ Push changes immediately to -

Commit

File Status

Log / History

Search

Pending files, sorted by file status ▾



Search



- FILE STATUS
- Working Co
- BRANCHES
- TAGS
- REMOTES
- origin

Staged files

Unstage All

Unstage Selected

+ Test1/Test1/Source.cpp

+ Test1/Test1/Source.cpp



Unstage hunk

```
1 + void main(){
2 +
3 + }
4 \ No newline at end of file
```

Unstaged files

Stage All

Stage Selected

- ? Test1/Test1.opensdf
- ? Test1/Test1.sdf
- ? Test1/Test1.sln
- ? Test1/Test1/Debug/Test1.tlog/CL.read.1.tlog
- ? Test1/Test1/Debug/Test1.tlog/CL.write.1.tlog
- ? Test1/Test1/Debug/Test1.tlog/Test1.lastbuildstate
- ? Test1/Test1/Debug/Test1.tlog/cl.command.1.tlog
- ? Test1/Test1/Debug/Test1.tlog/link.command.1.tlog
- ? Test1/Test1/Debug/Test1.tlog/link.read.1.tlog



LamyGaber <Lamy_Gaber1>



Commit options... ▾

initial commit

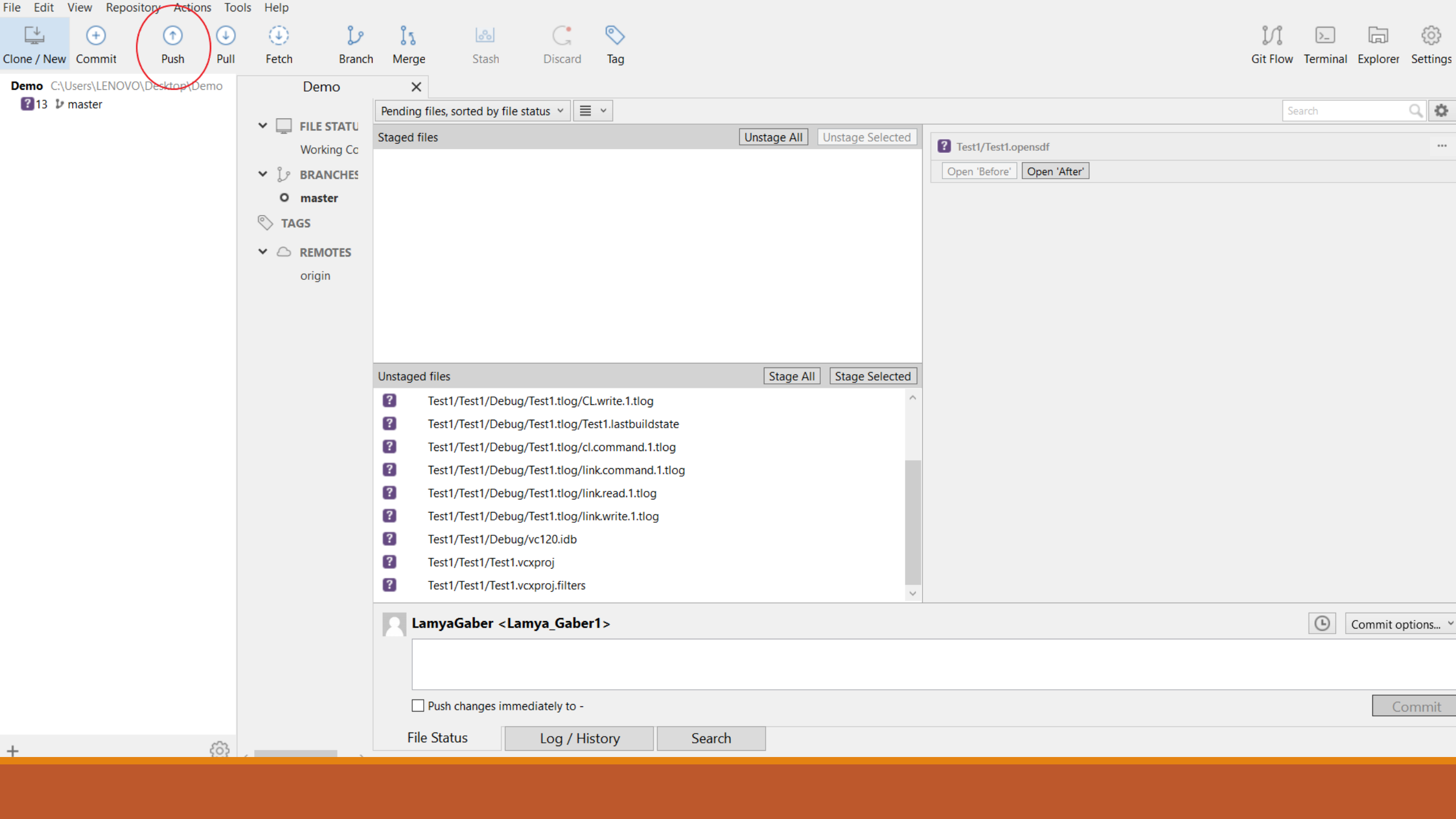
☐ Push changes immediately to -

File Status

Log / History

Search

Commit



Push : Demo

Push to repository:

origin

https://github.com/LamyaGaber/Assignment1.git

Branches to push

Push	Local branch	Remote branch	Track
☒	master	master	☒

☒ Select All

☒ Push all tags ☐ Force Push

Push

Cancel

Hello world

Edit

Manage topics

1 commit

1 branch

0 releases

0 contributors

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download



LamyaGaber and LamyaGaber initial commit

Latest commit 58b120a 8 minutes ago



Test1/Test1

initial commit

8 minutes ago

Help people interested in this repository understand your project by adding a README.

Add a README

Code

Issues 0

Pull requests 0

Projects 0

Wiki

Insights

Settings

Hello world

Edit

Manage topics

1 commit

1 branch

0 releases

0 contributors

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download



LamyaGaber and LamyaGaber initial commit



Test1/Test1

initial commit

Help people interested in this repository understand your project by adding a README.

Clone with HTTPS

Use SSH

Use Git or checkout with SVN using the web URL.

https://github.com/LamyaGaber/Assignment



Open in Desktop

Download ZIP

Submit Link

- After doing the previous steps, you should submit the copied link to your solution of the assignment in <https://courses.amrabet.me/?redirect=0>
- Don't worry, you may think that there is a lot of steps but in fact it is not. Many of these steps are just installation of SourceTree program. So you don't have to do them in the next time.
- The most important thing that you have to know **how to use GitHub and SourceTree to add, commit and push your projects.**

Thank you

