

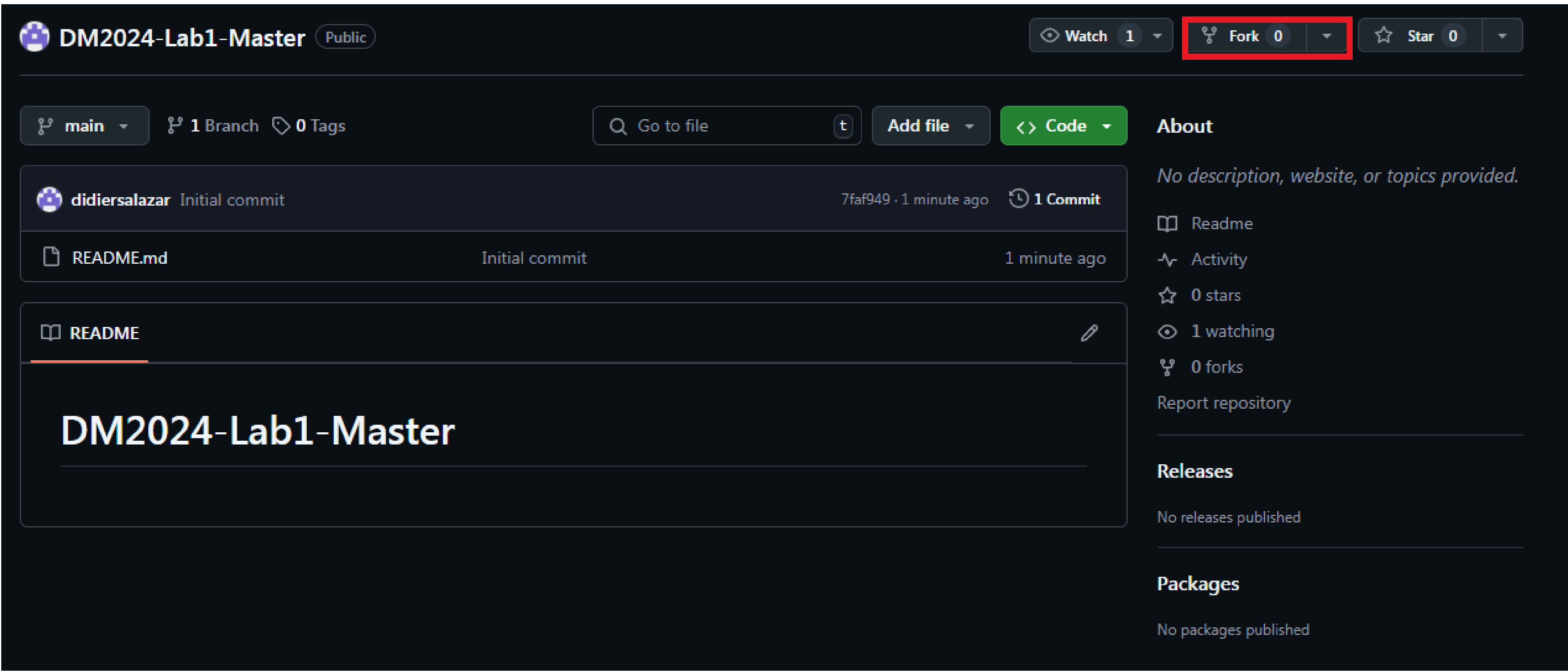
# GIT INTRO & How to hand your homework

Git is a version control tool that helps you keep track of your work, collaborate with other people, and restore old versions of a document. Here we do a brief overview.

To hand in your homework, you will need to:

## 1. Fork the Lab 1 Repository

Go to the [DM Lab 1](#) in Git, and fork a copy by clicking the "Fork" button as shown below:




### Create a new fork

A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

*Required fields are marked with an asterisk (\*).*

Owner \*

Repository name \*

 difersalest

 / 

DM2024-Lab1-Master


DM2024-Lab1-Master is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)

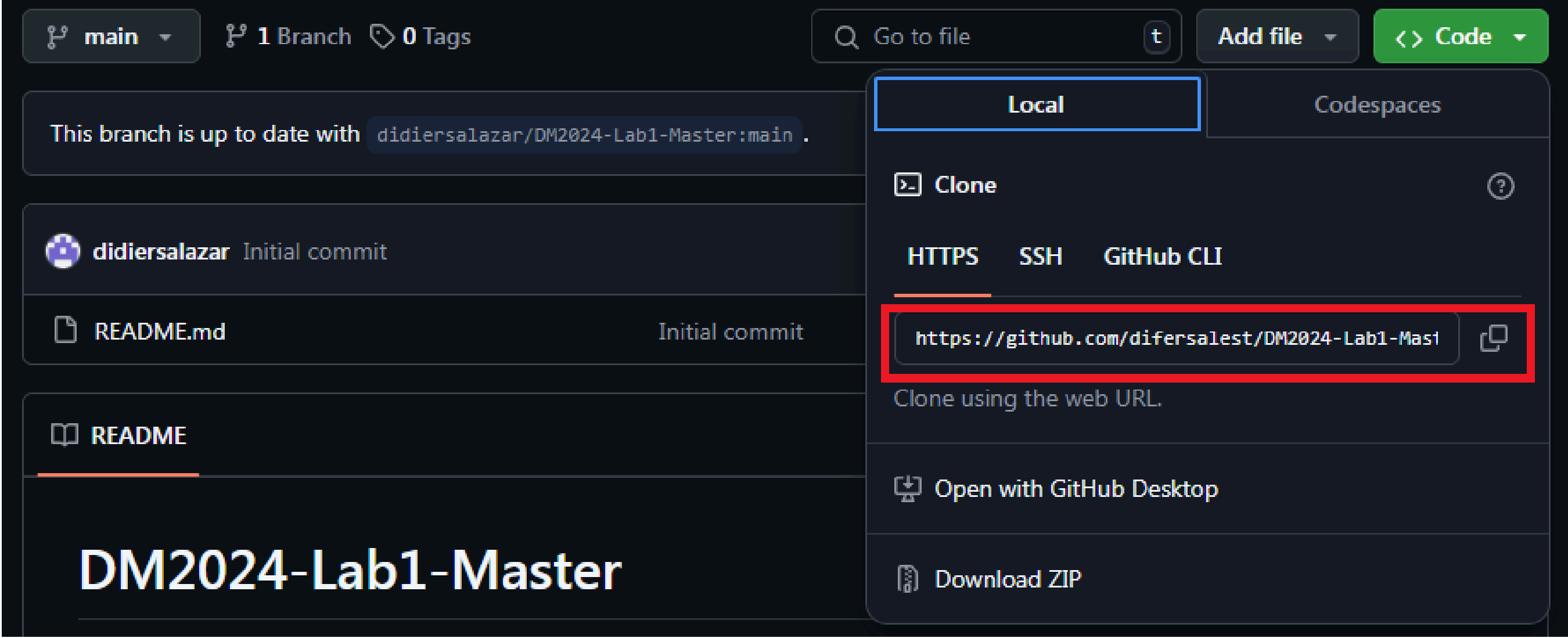
☒ Copy the main branch only

Contribute back to didiersalazar/DM2024-Lab1-Master by adding your own branch. [Learn more](#).

 You are creating a fork in your personal account.

Create fork

And it will redirect you to a "copy" of the code in your own page. Once in your page (check that your name shows up at the top left corner), Click the green button "Code", and the clipboard button besides the link that pops up.

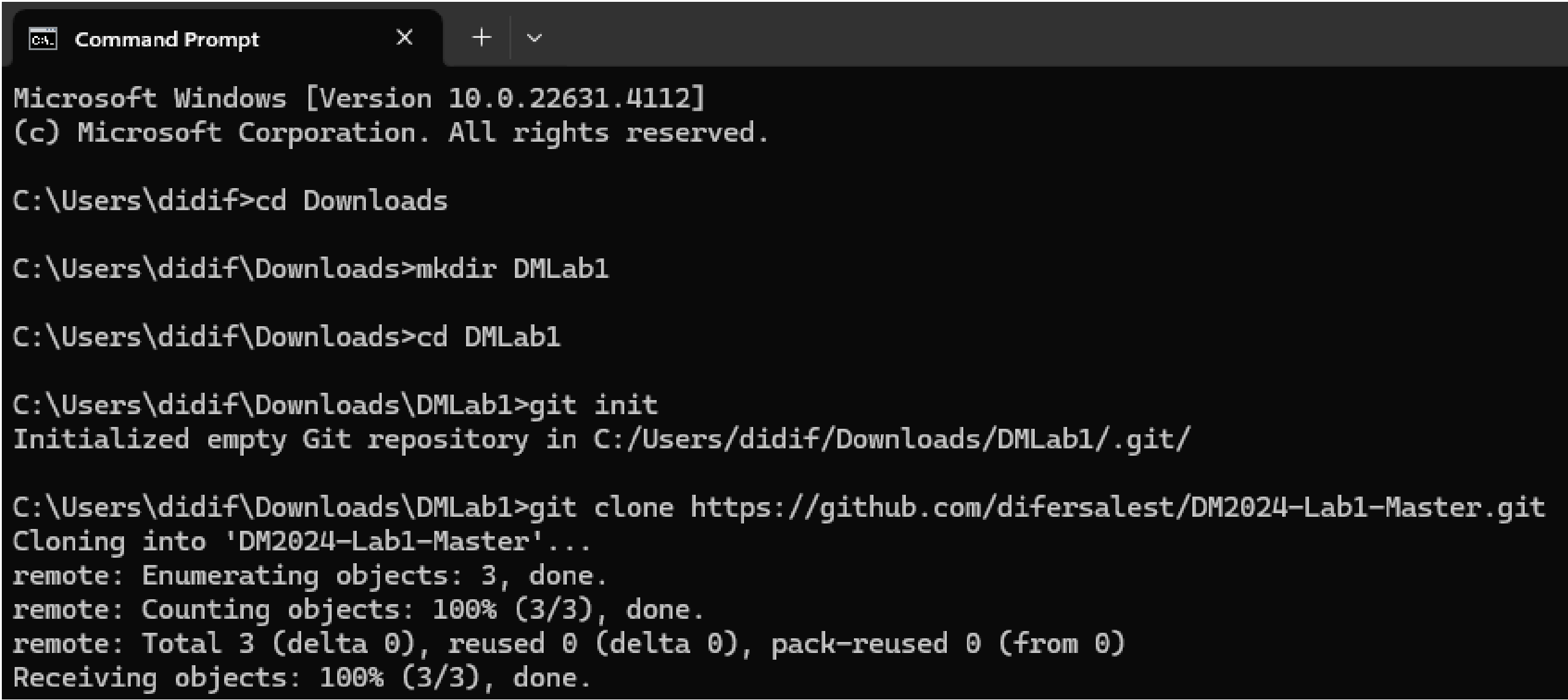


## 2. Create a folder in your computer and set it up

Open a "Command Prompt" window in Windows or a "Terminal" window in MacOS/Linux. Type the following commands followed by the Enter key:

```
cd yourpath
mkdir DMLab1
cd DMLab1
git init
git clone linkyoucopied
```

Replacing "yourpath" by the path where you're going to store your documents, and "linkyoucopied" with the link you copied at the end of step 1. Below is an example, where I store my Lab in the "Downloads" folder.



Your homework will be located in the path "yourpath" (in this example, the "Downloads" folder) in a folder named "DMLab1". You can open a Jupyter Notebook server and search for the folder DMLab1. You can then double click on the "DM2024-Lab1-Master.ipynb" notebook and open.

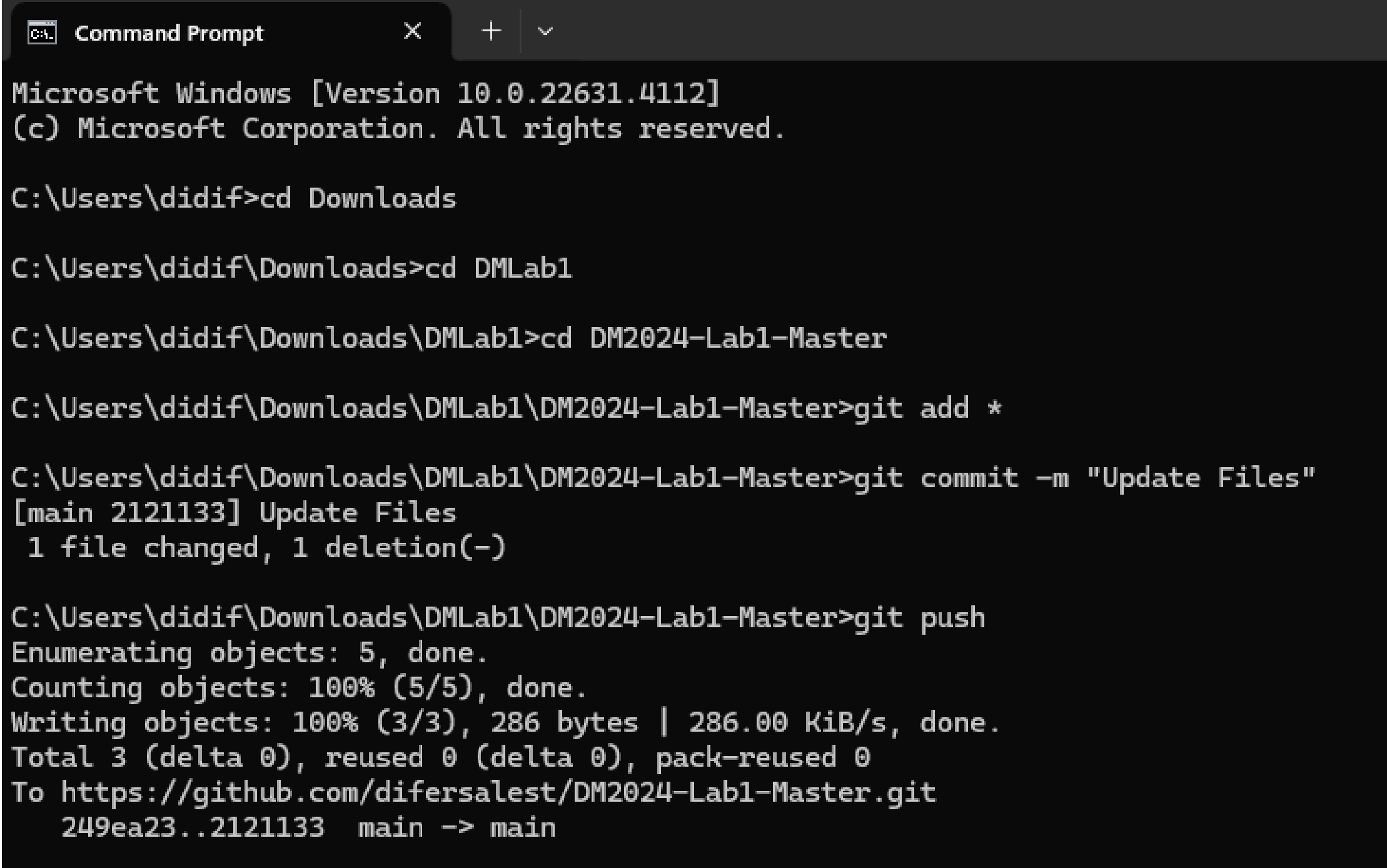
You can then start to edit!

## 3. Save changes and push

Remember to save your notebooks. You will also have to "Push" the changes you've made in your computer to the internet. In order to do this, open a "Command Prompt" window in Windows or a "Terminal" window in MacOS/Linux. Type the following commands followed by the Enter key:

```
cd yourpath
cd DMLab1
cd DM2024-Lab1-Master
git add *
git commit -m "yourmessage"
git push
```

You can replace "yourmessage" with something like "Finished Ex1 and Ex2. Added graph for Ex. 6". You can save and commit as often as you like. Below is an example:



## 4. Hand in your homework

Go to the [DM Lab 1 Homework](#) in Git and follow the same process above. Make sure to commit and save your changes to your repository **BEFORE the deadline (October 27th 11:59 pm, Sunday)**.

Make sure your notebook includes:

1. Take home exercises from [DM Lab 1](#)
2. The homework itself

When you're done (or at any moment), find your repository link. Open the **[DM2024] Homework 1** assignment page on our [NTU COOL platform](#). Make a submission and paste the link to your git repository (or the link to your kaggle kernel).

You can find your repository link by logging into [Github](#), clicking on your profile icon on the upper right corner, selecting "Your repositories", and clicking on the name of your repository . Then copy the link in your browser.

Again, **we will not consider pushes made after the deadline**.

That's it! We wish you Good luck!