Presented by: Joe Omondi & Monicah Njaaga

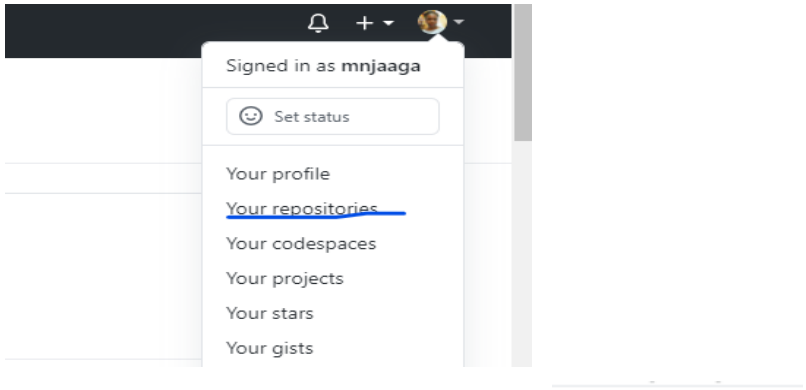
Jupyter Notebook to GitHub

Presented by: Joe Omondi & Monicah Njaaga

Prerequisites

1. Create a repository in Github.com by:

- Logging into your account
- Navigate to the profile icon on the top right and click repositories



- Create a new repository

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.

Owner * / Repository name *

mnjaaga /

Great repository names are short and memorable. Need inspiration? How about sturdy-octo-goggles?

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.

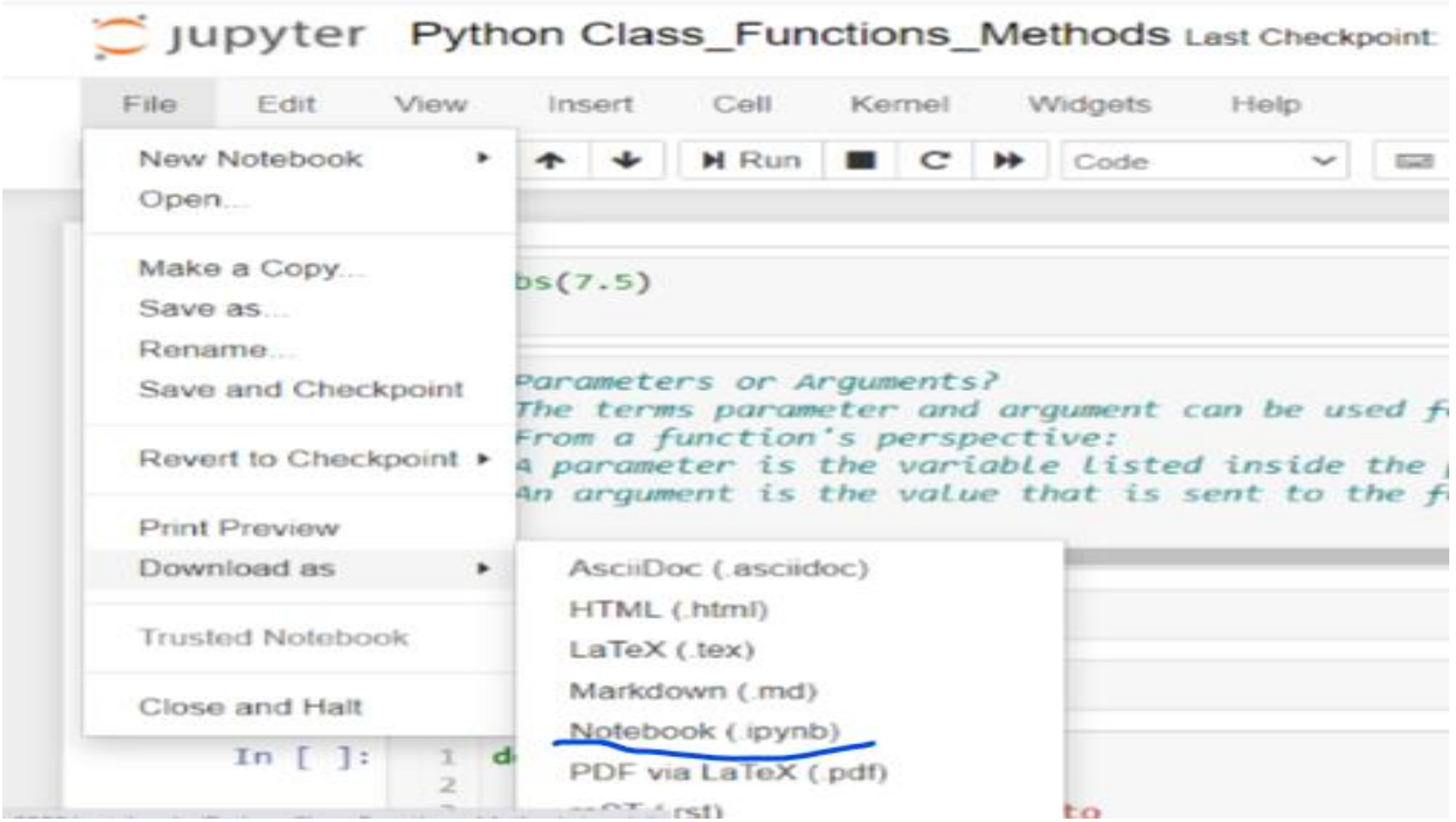
- [ ] Add a README file
  This is where you can write a long description for your project. Learn more.
- [ ] Add .gitignore
  Choose which files not to track from a list of templates. Learn more.
- [ ] Choose a license
  A license tells others what they can and can't do with your code. Learn more.

Create repository

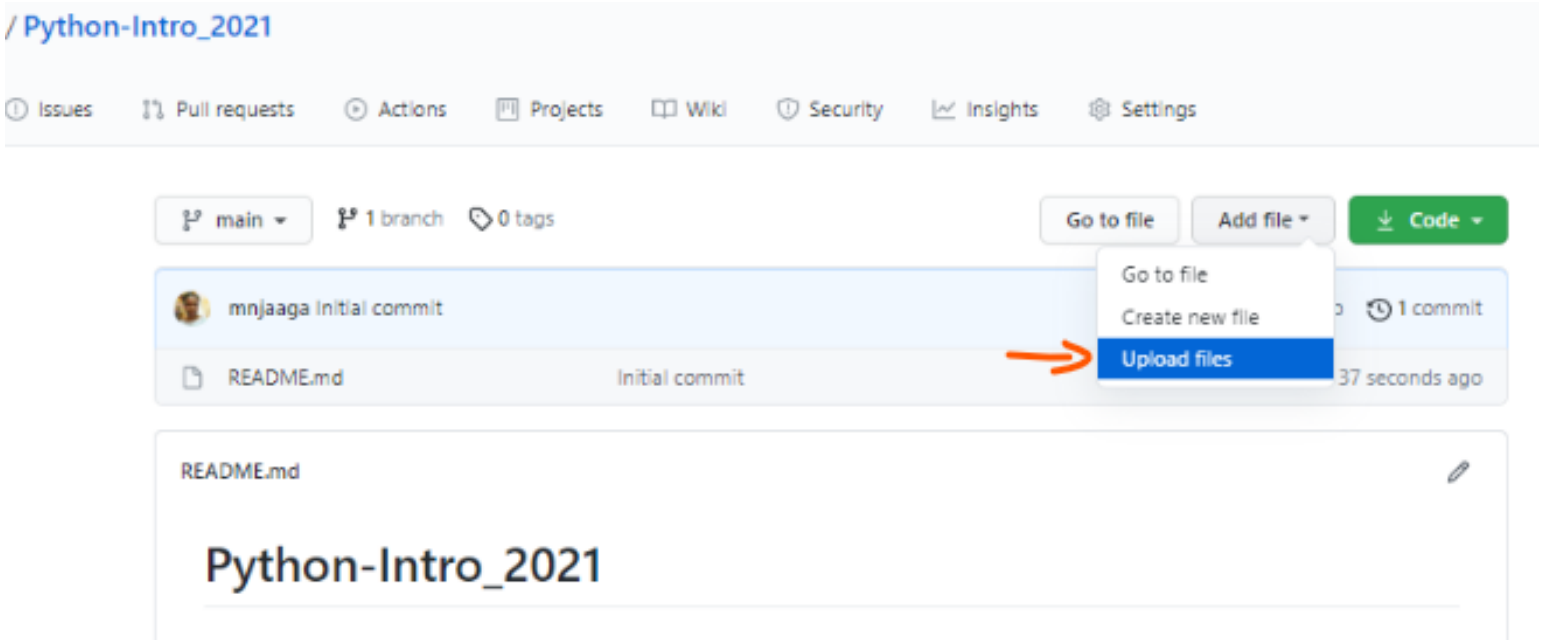
Navigate to Jupyter Notebook

- select the file you want to move to Github
- download as below

This saves your file in your downloads folder on your local machine



Navigate back to github.com and upload your downloaded file into your repository

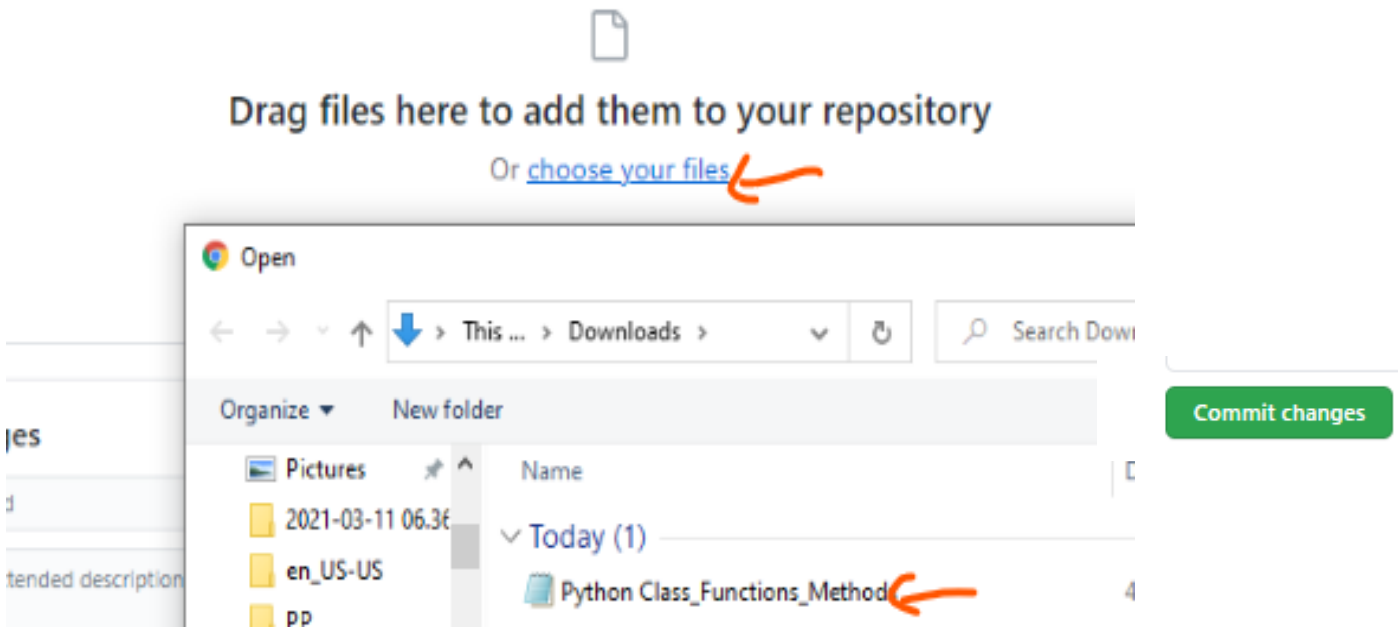


There are 2 options:

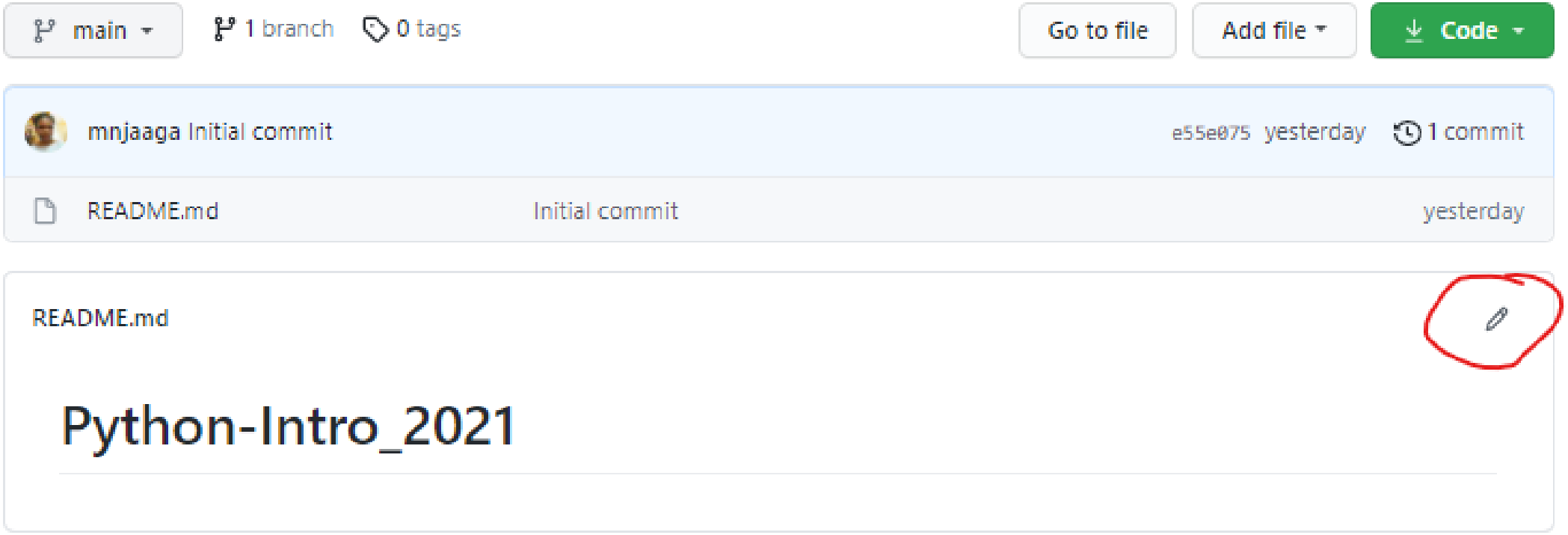
- Drag file
- Choose your file

(confirm your file name before uploading)

All changes Must be **commited**



Edit ReadMe with explanation on the file you have uploaded. This can include use case, screenshots etc

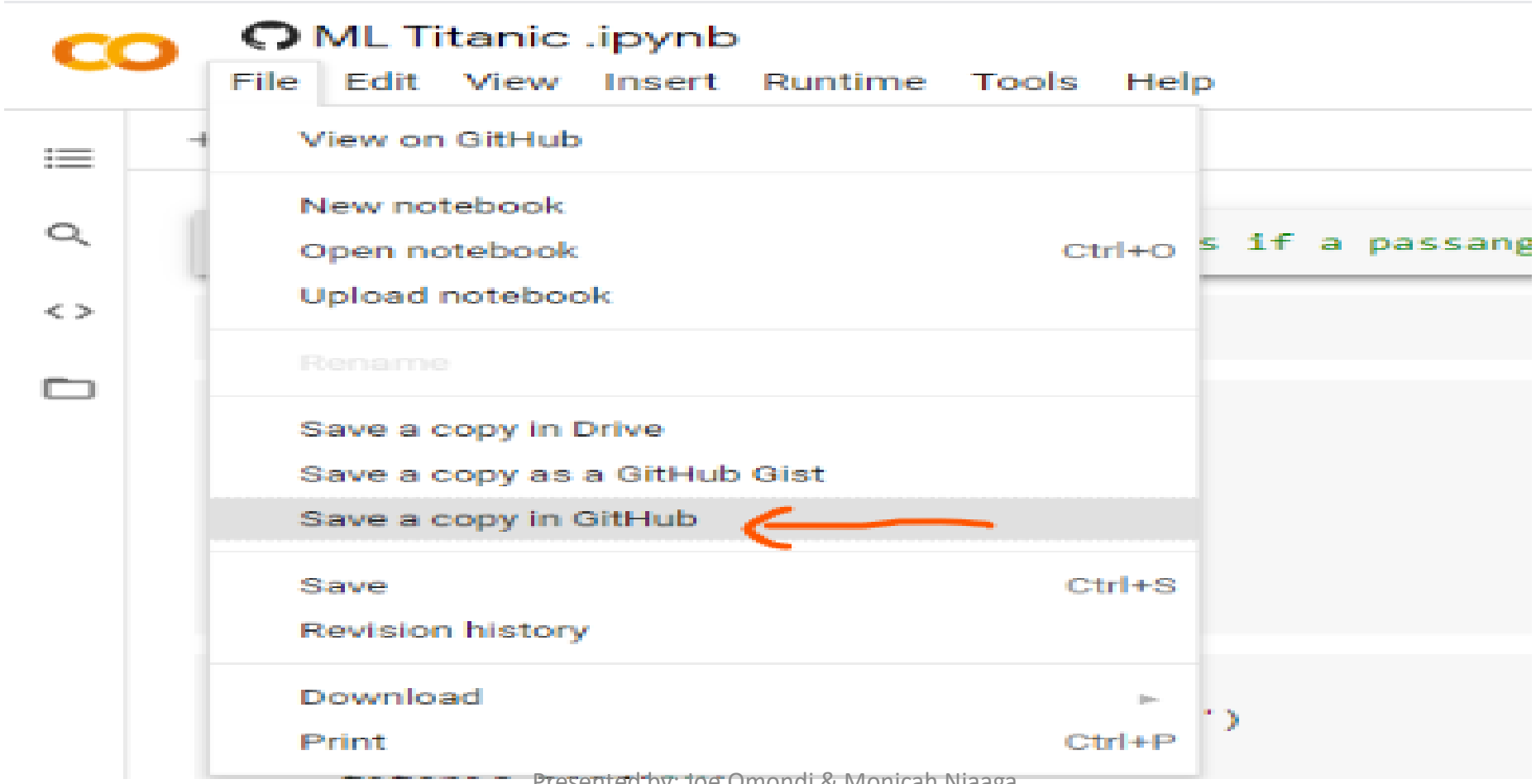


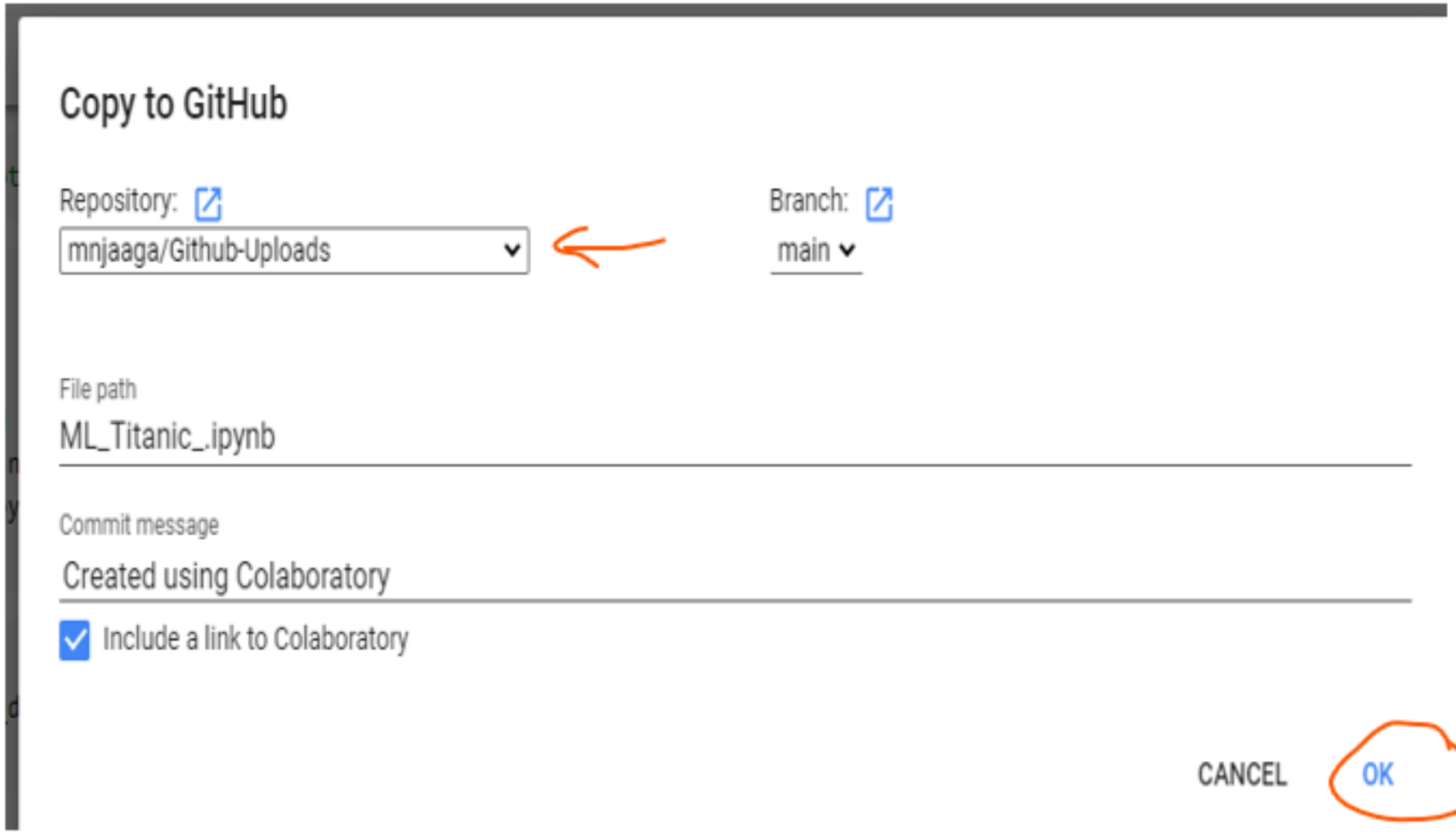
Note: All changes must be **COMMITED**

Google Colab to Github

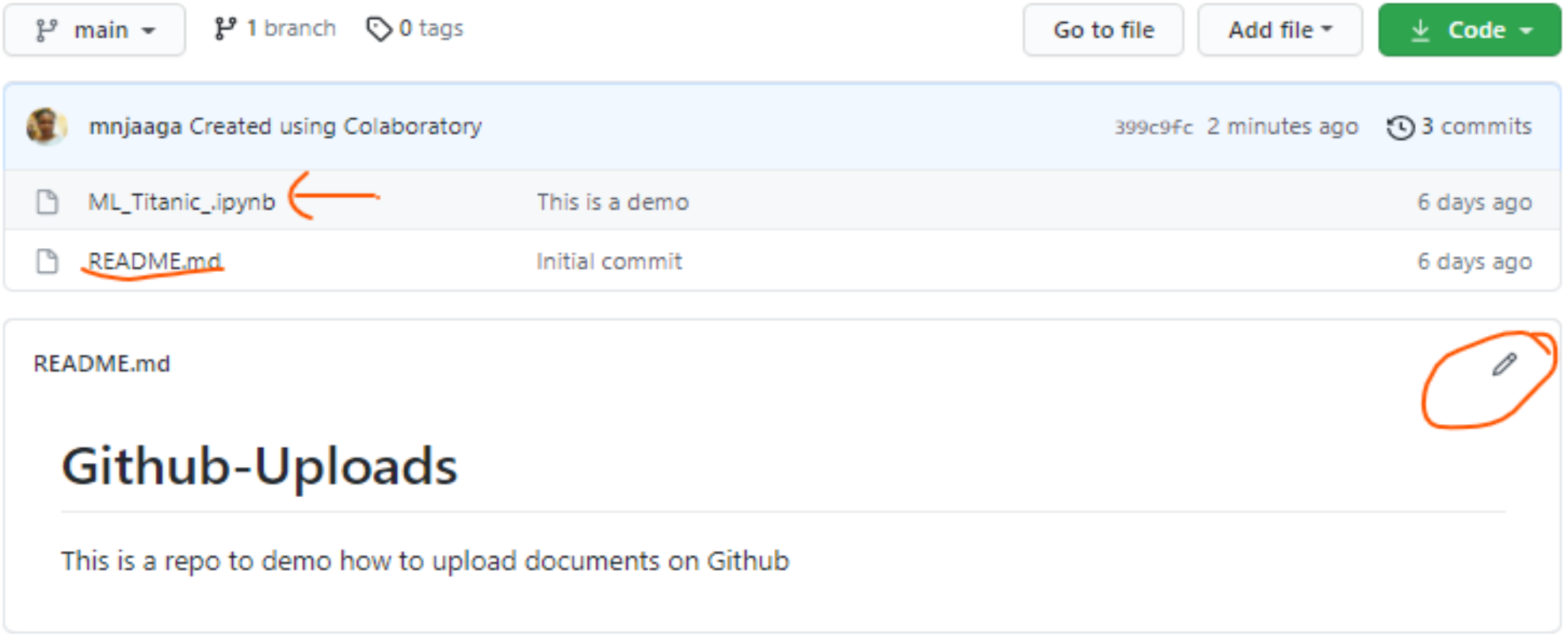
Presented by: Joe Omondi & Monicah Njaaga

Create your repository in Github.com (see slides 3&4)
Navigate to your file in colab




Copy to GitHub
Repository:
mnjaaga/Github-Uploads
Branch:
main
File path
ML_Titanic_.ipynb
Commit message
Created using Colaboratory
Include a link to Colaboratory
CANCEL
OK

Navigate to Github.com to confirm the file upload and edit README.md



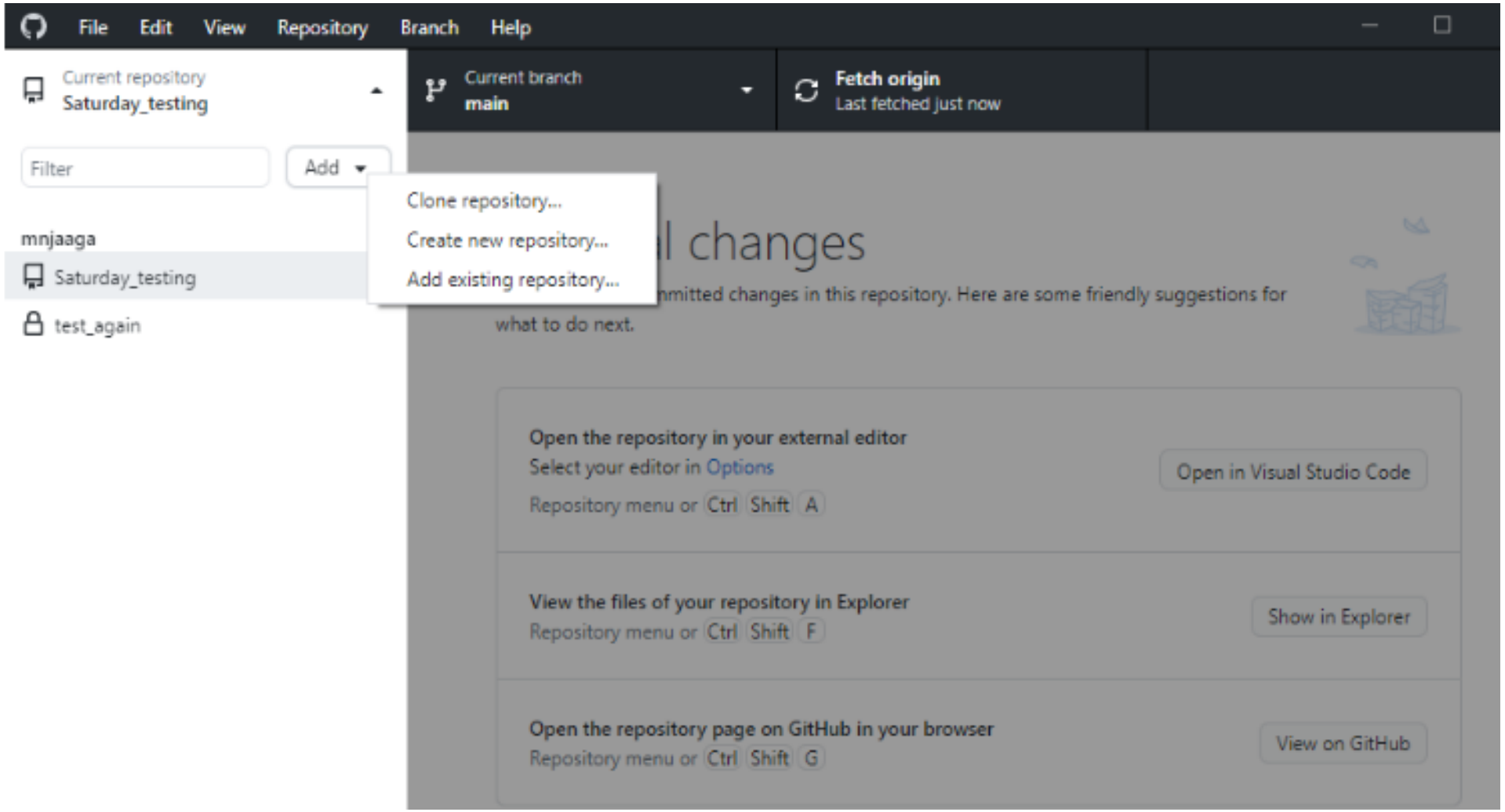
Visual Studio Code to Github

using GitHub Desktop

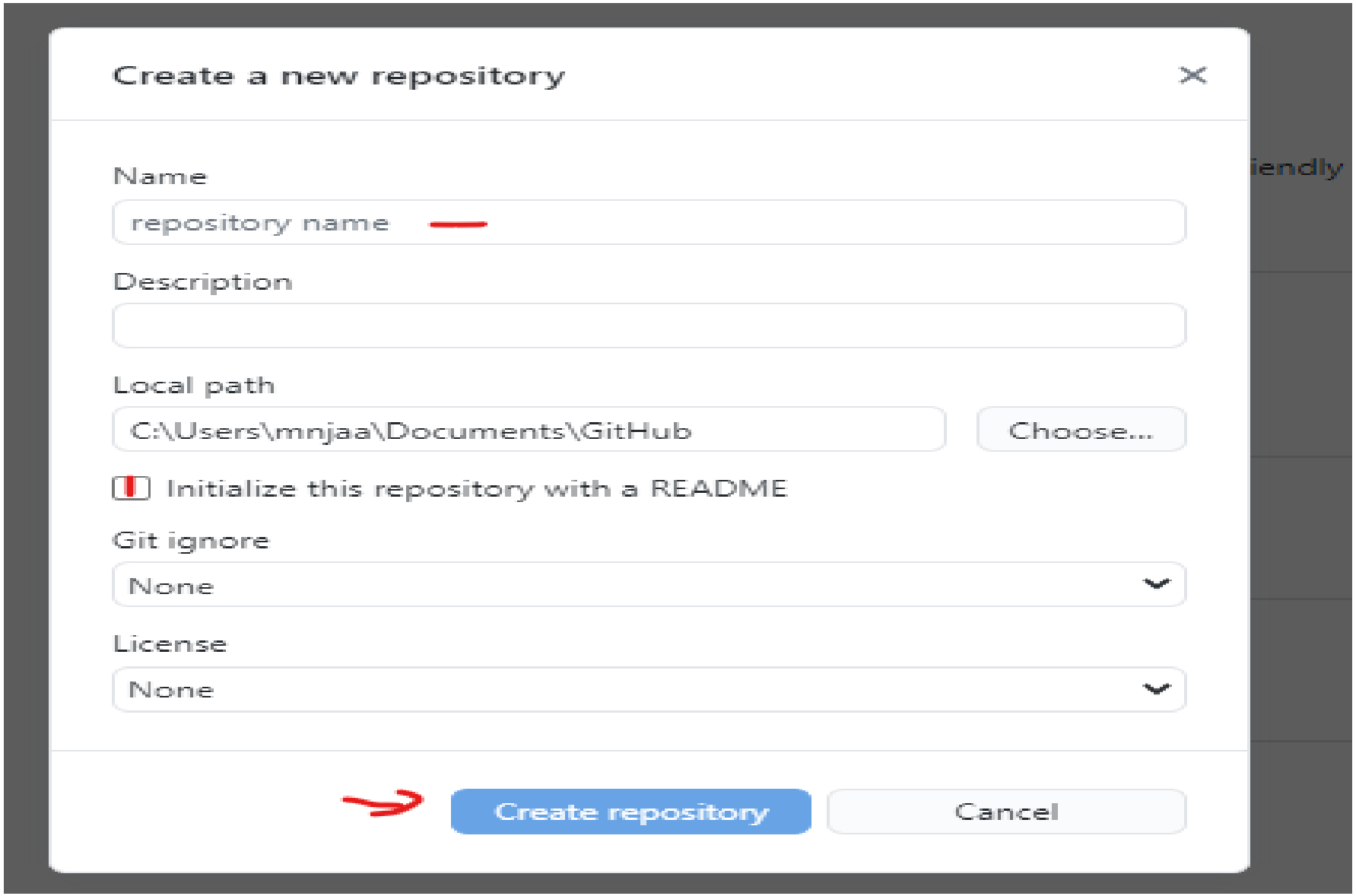
Presented by: Joe Omondi & Monicah Njaaga

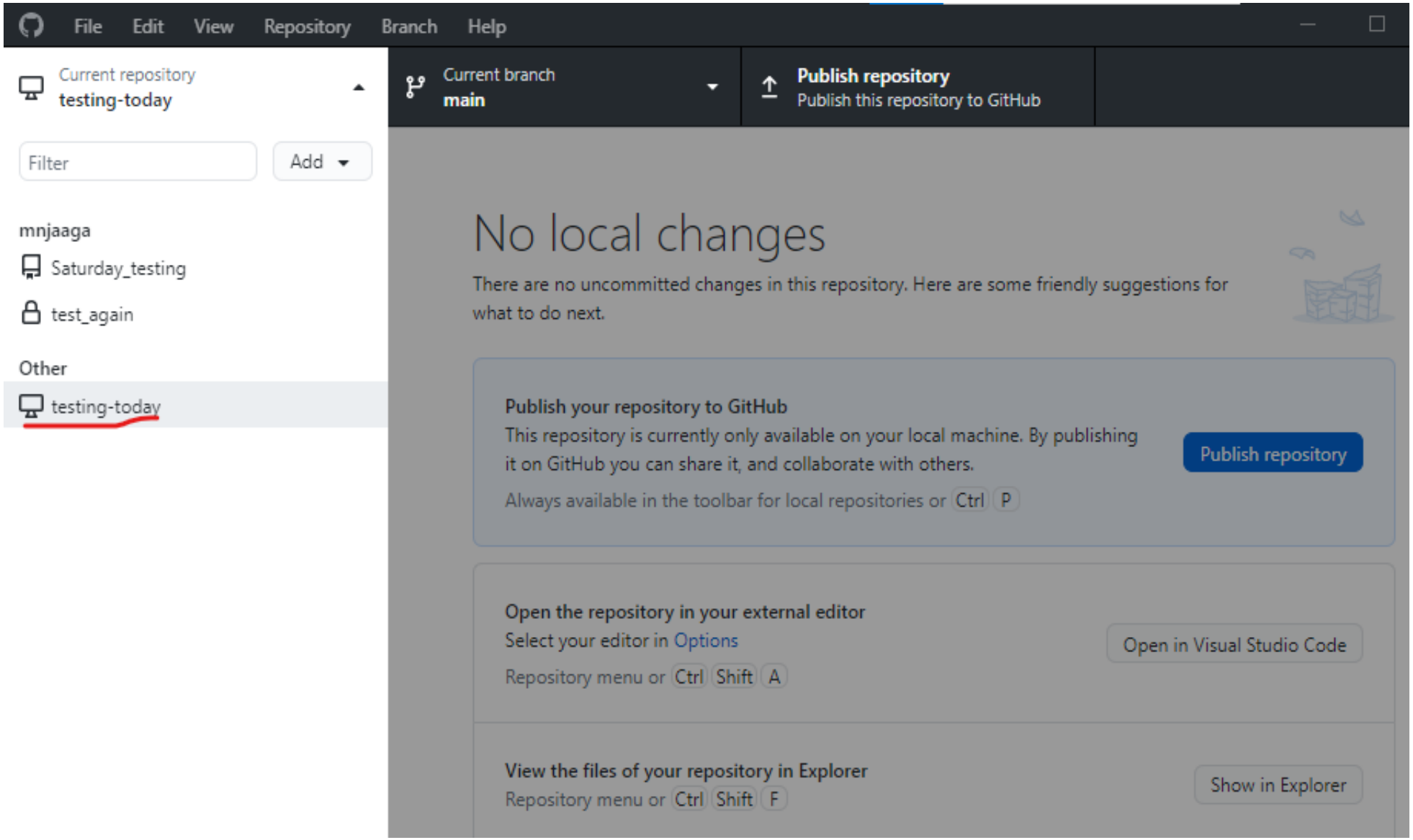
Prerequisites:

Download Github desktop & Github.com

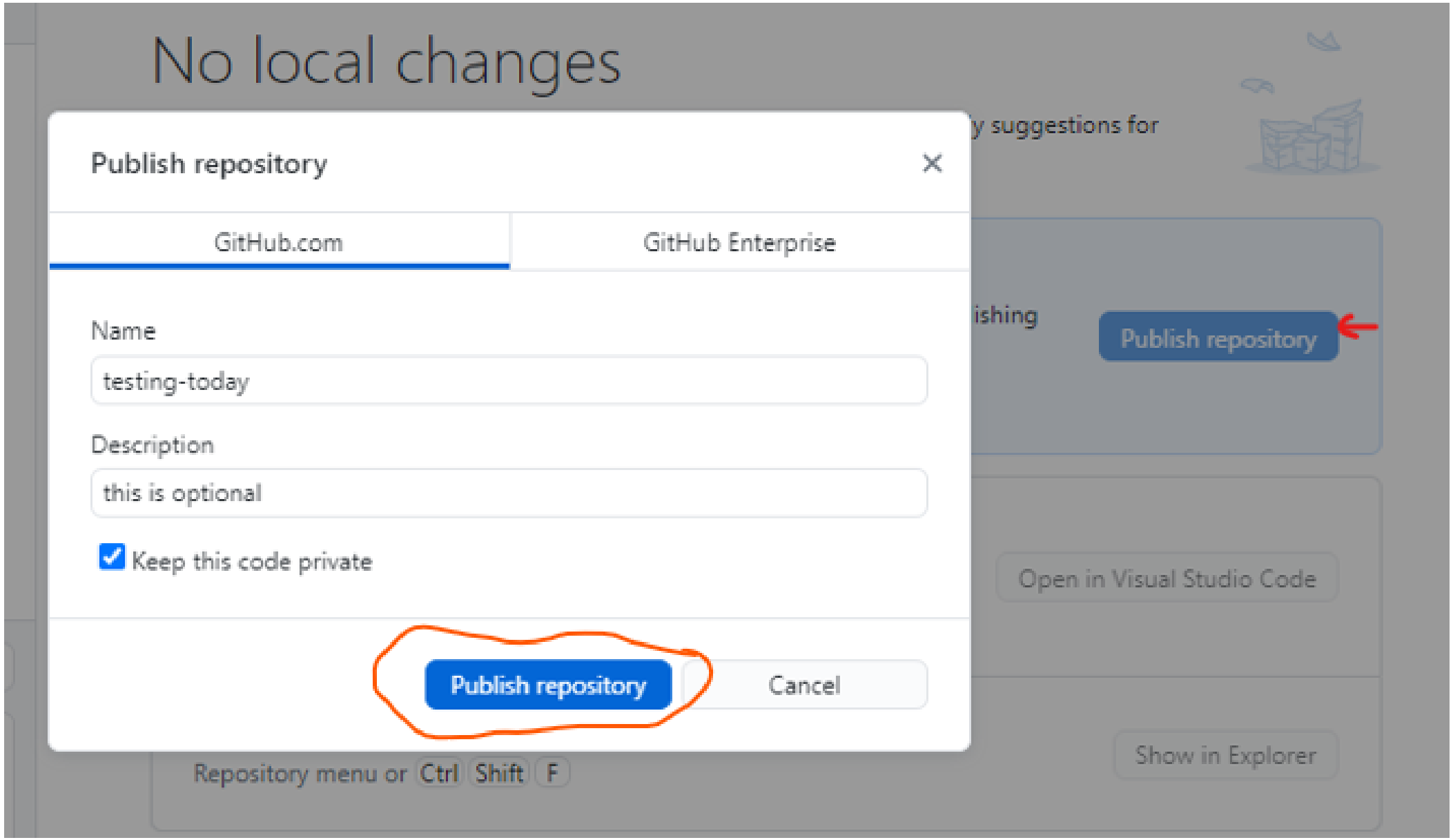


Note: You have to be signed into both Github desktop & Github.com

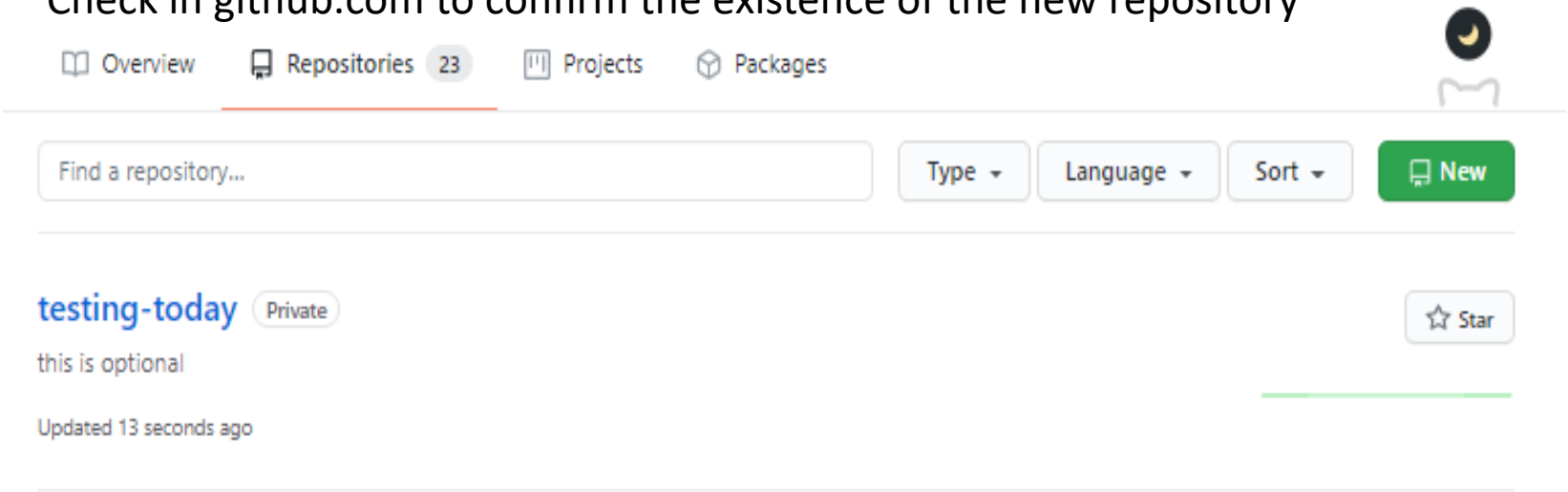

Create a new repository
Name
repository name
Description
Local path
C:\Users\mnjaa\Documents\GitHub
Choose...
Initialize this repository with a README
Git ignore
None
License
None
Create repository
Cancel



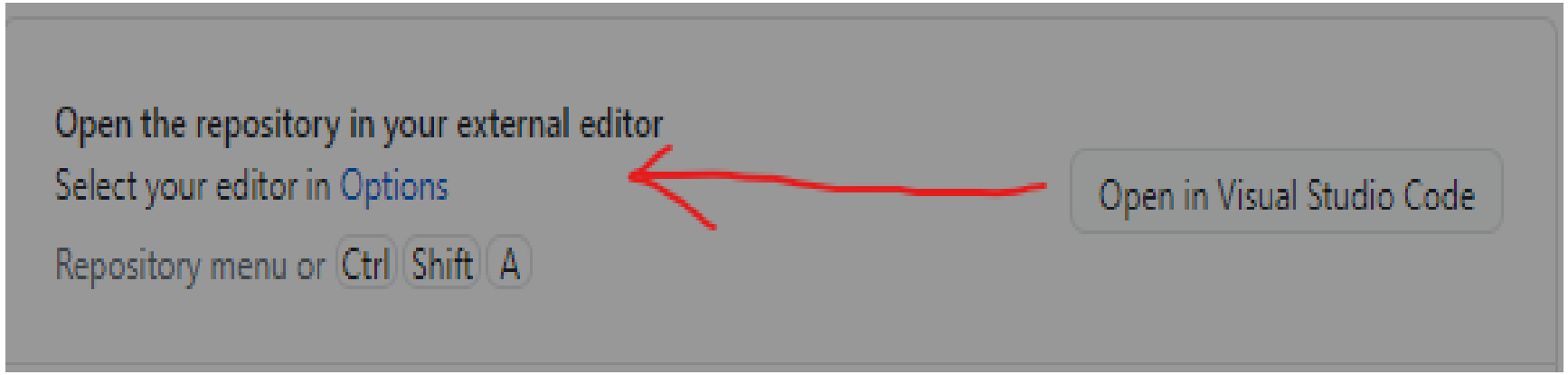
At this point, your repository is not created in Github.com until you Publish repository.
You can confirm by checking in github.com


No local changes
y suggestions for
Publish repository
GitHub.com
GitHub Enterprise
Name
testing-today
Description
this is optional
Keep this code private
Publish repository
Cancel
ishing
Publish repository
Open in Visual Studio Code
Show in Explorer
Repository menu or Ctrl Shift F

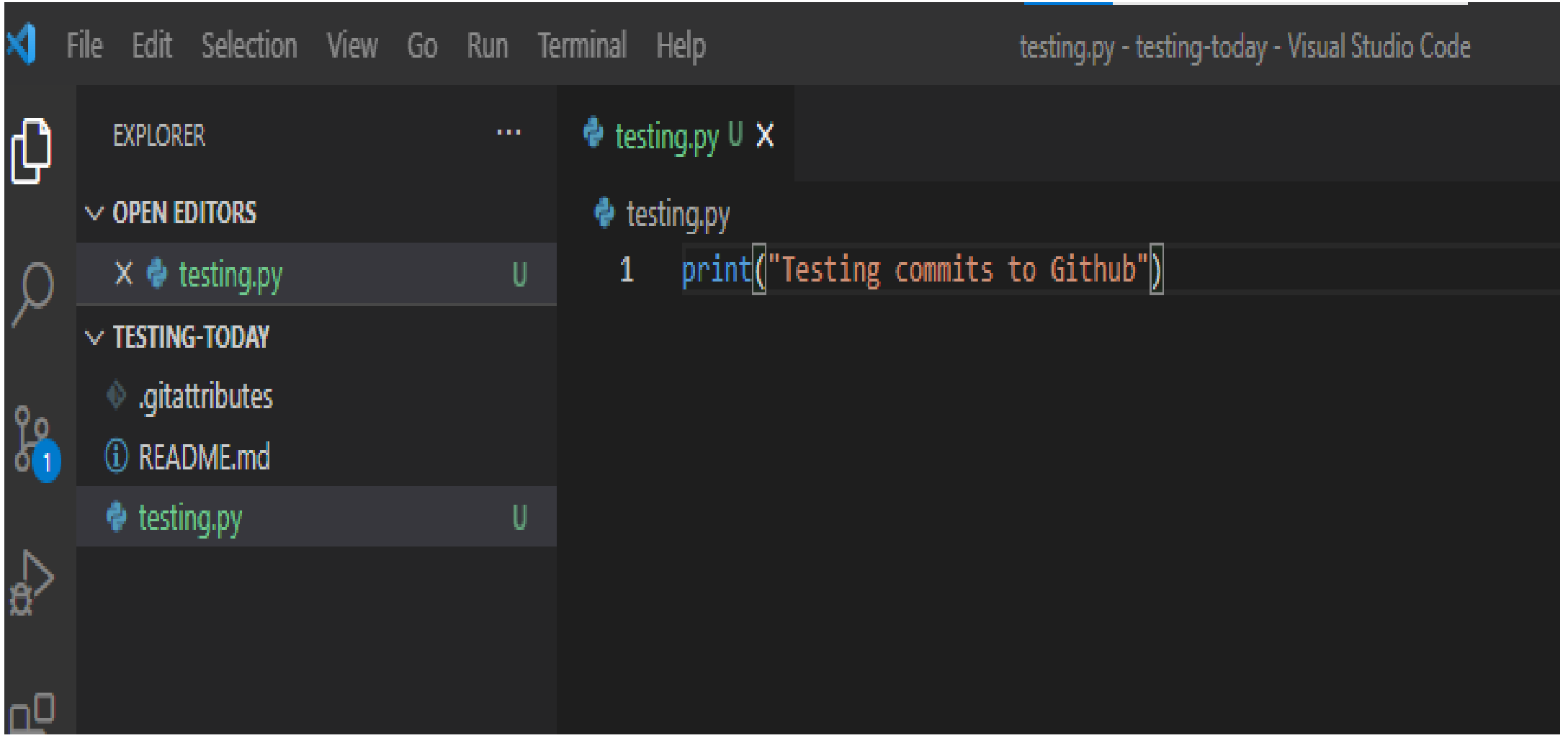
Check in github.com to confirm the existence of the new repository



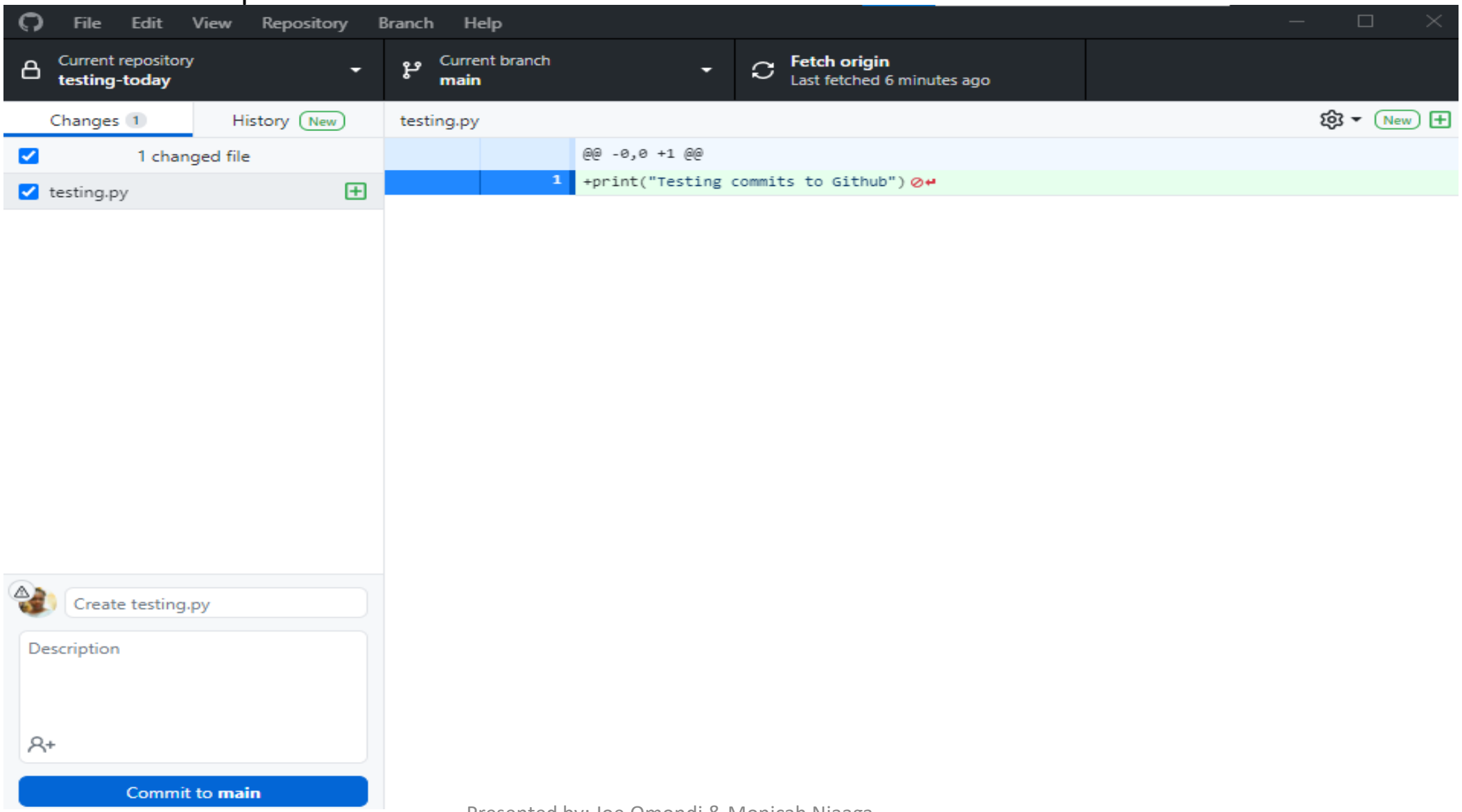
A new **python file** has to be created to start writing your code



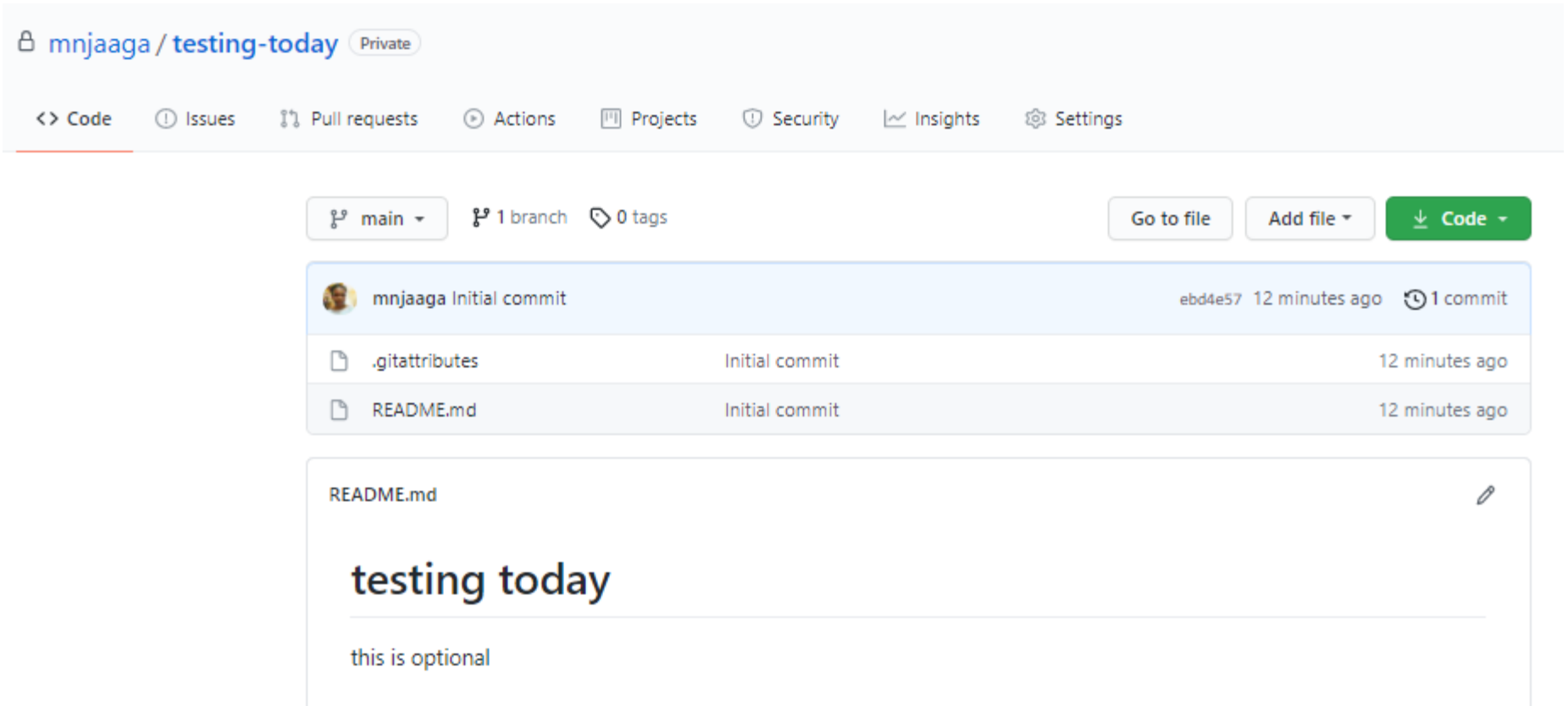
In VSCode


File Edit Selection View Go Run Terminal Help
testing.py - testing-today - Visual Studio Code
EXPLORER
testing.py U X
OPEN EDITORS
X testing.py U
testing.py
1 print("Testing commits to Github")
TESTING-TODAY
.gitattributes
README.md
testing.py U

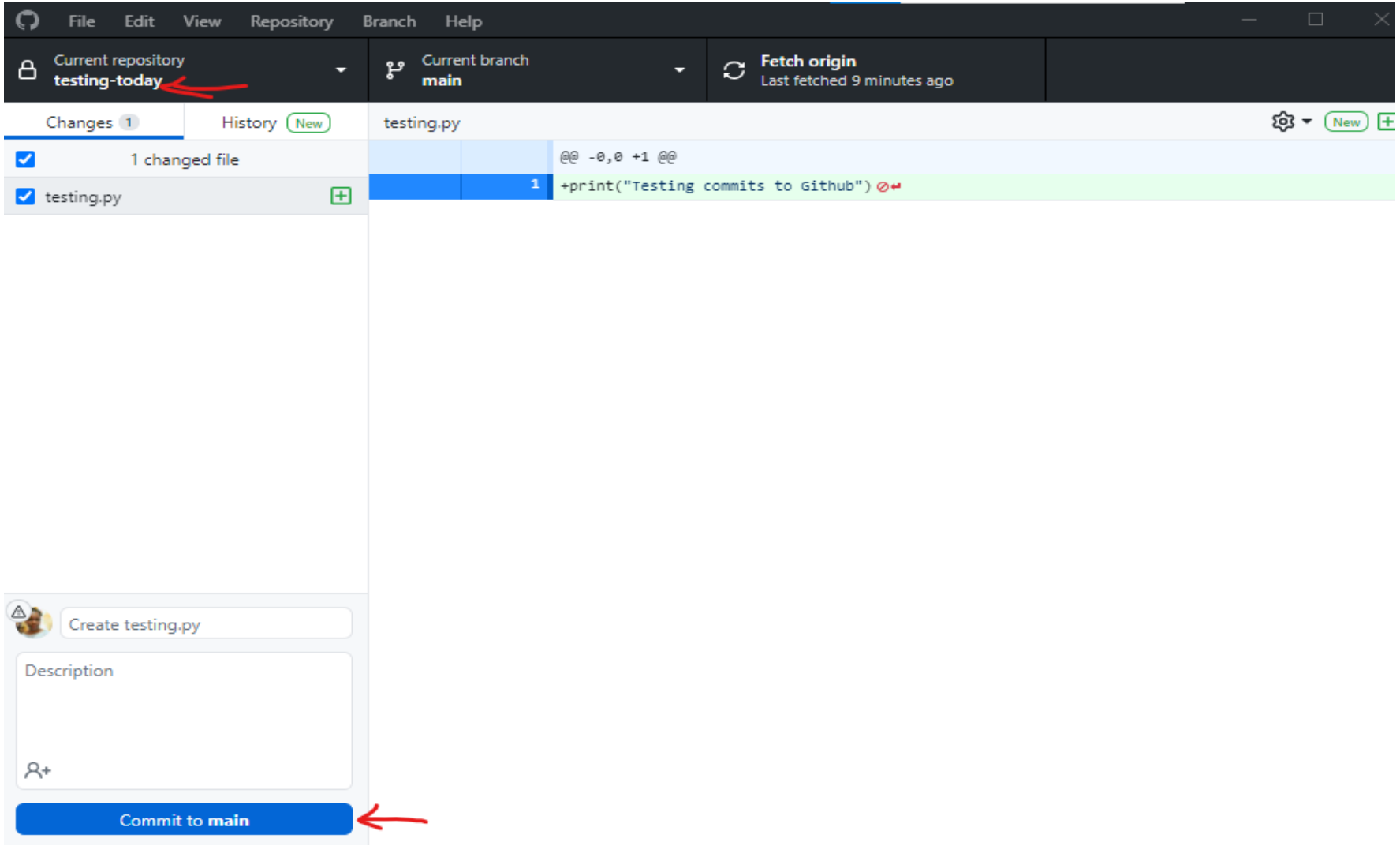
In Github desktop



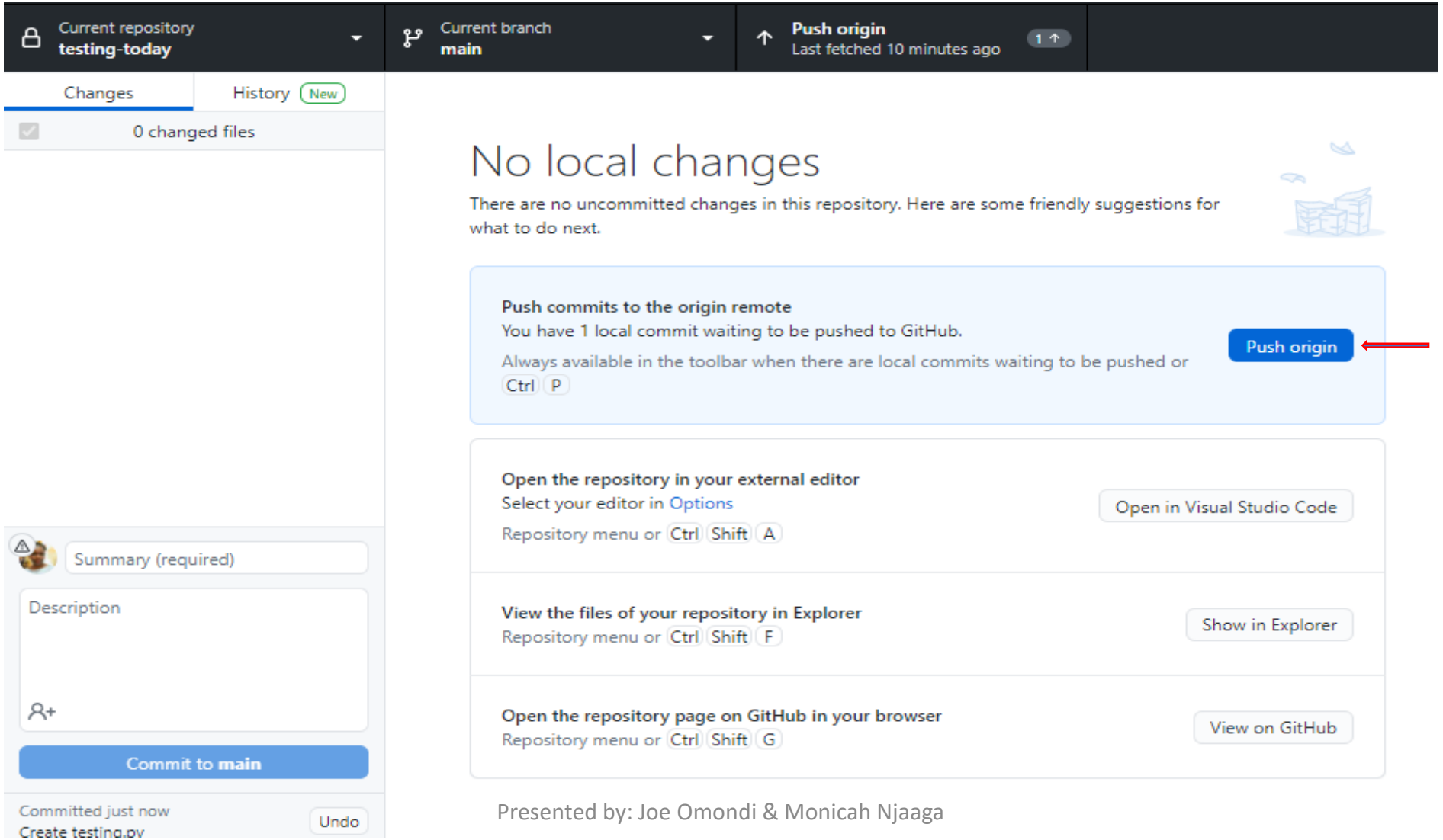
To send the changes in the repo to Github
Before:



To send


File
Edit
View
Repository
Branch
Help
Current repository
testing-today
Current branch
main
Fetch origin
Last fetched 9 minutes ago
Changes 1
History New
testing.py
New
1 changed file
testing.py
@@ -0,0 +1 @@
1
+print("Testing commits to Github")
Create testing.py
Description
Commit to main

After clicking on Commit to Main, the pop up below will appear prompting a push to Github.com
At this time, your file is still not pushed into github.com, you can refresh the page to confirm



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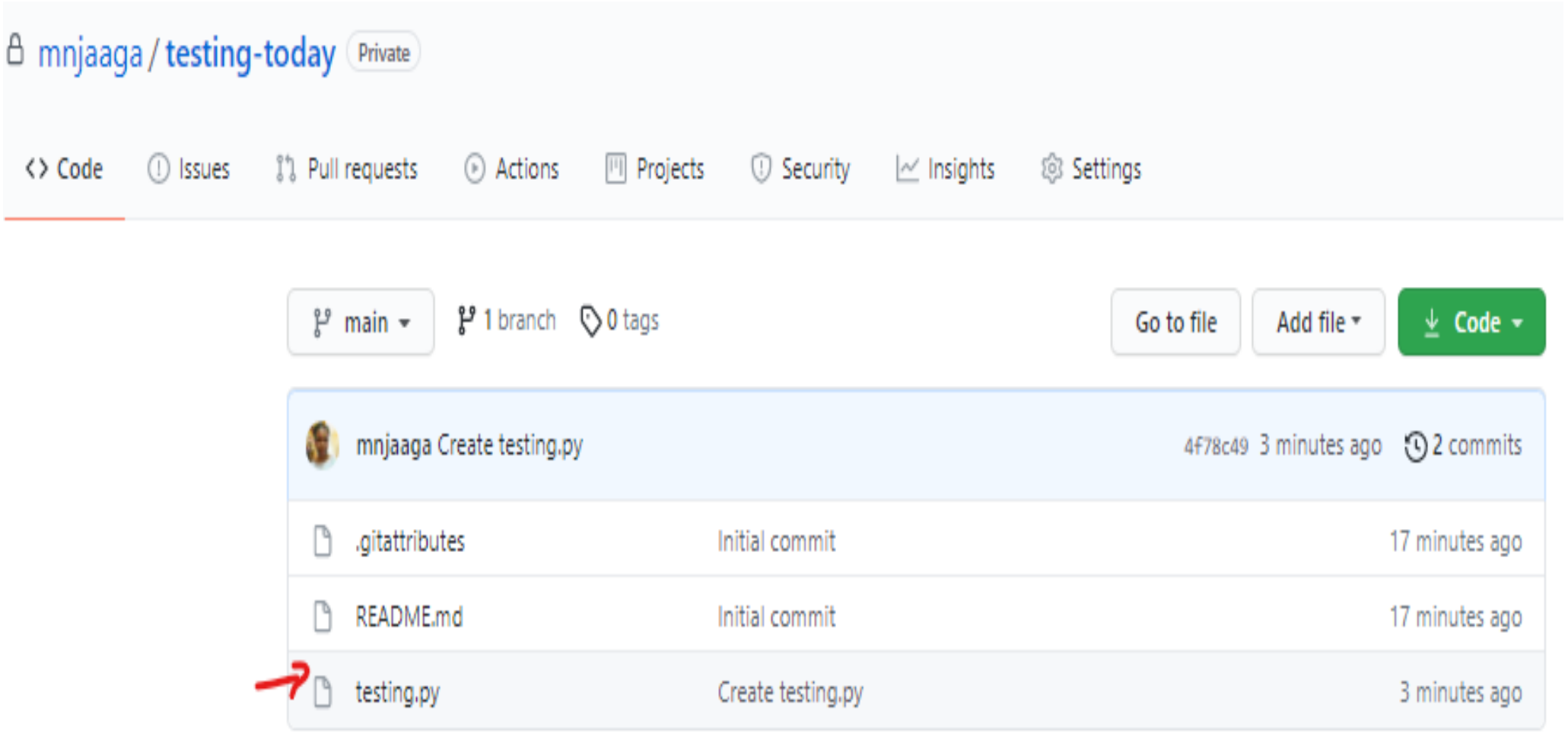

mnjaaga / testing-today
Private
Code
Issues
Pull requests
Actions
Projects
Security
Insights
Settings
main
1 branch
0 tags
Go to file
Add file
Code
mnjaaga Create testing.py
4f78c49 3 minutes ago
2 commits
.gitattributes
Initial commit
17 minutes ago
README.md
Initial commit
17 minutes ago
testing.py
Create testing.py
3 minutes ago

PYcharm to Github

Presented by: Joe Omondi & Monicah Njaaga

Pre-requisites:

- Sign into Github.com and create a repository (see slides 3&4). Repo does not need to have the same name as file created in Pycharm.
- Create a project in PyCharm
- Inside of the created project, create a new file(File can have any extension allowed by Pycharm).
- Sign into Github thru Pycharm Version Control Settings Options.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Owner * **Repository name** *

Jomondi /

Great repository names are short and memorable. Need inspiration? How about **reimagined-enigma**?

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.

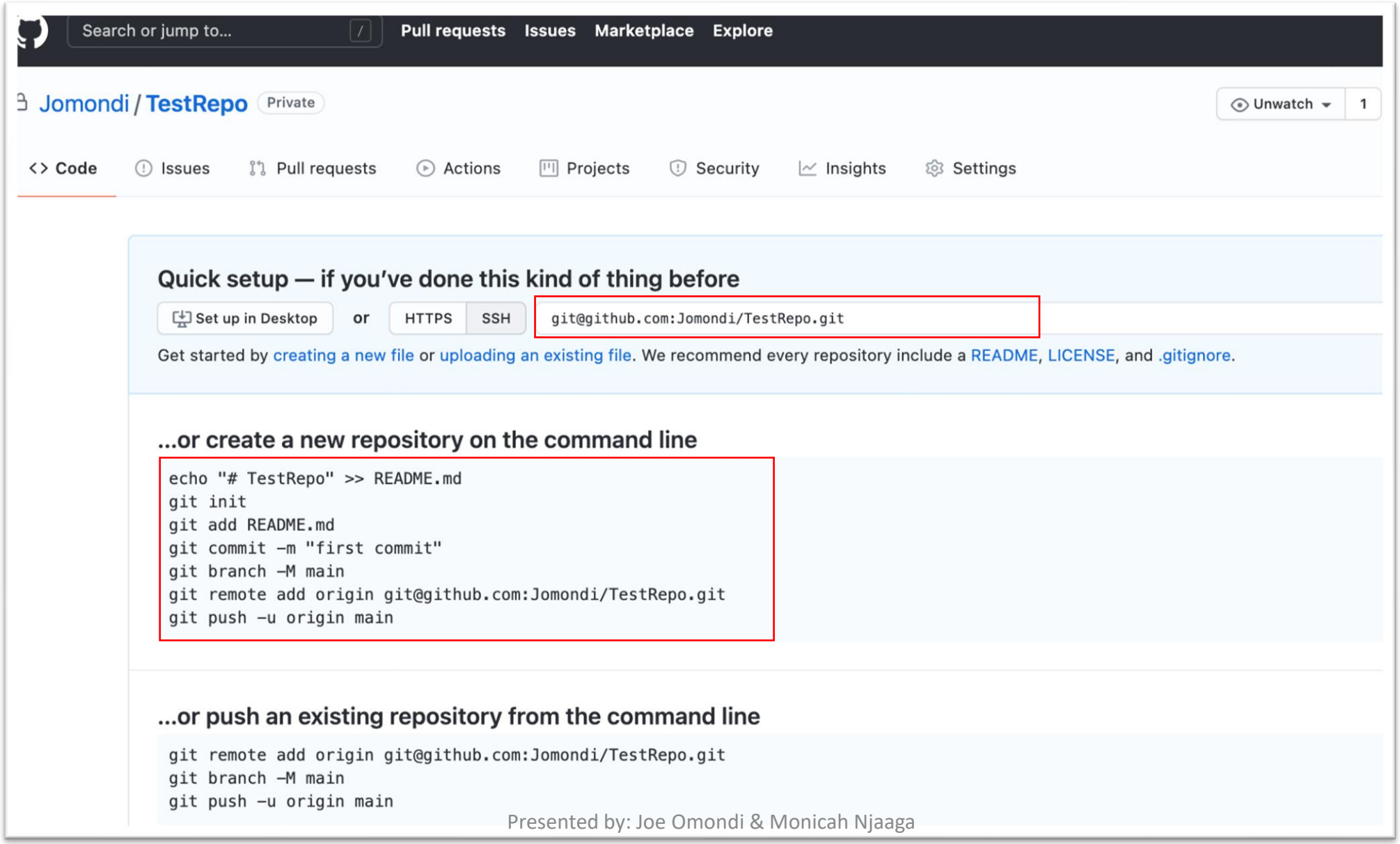
Add a README file
This is where you can write a long description for your project. Learn more.

Add .gitignore
Choose which files not to track from a list of templates. Learn more.

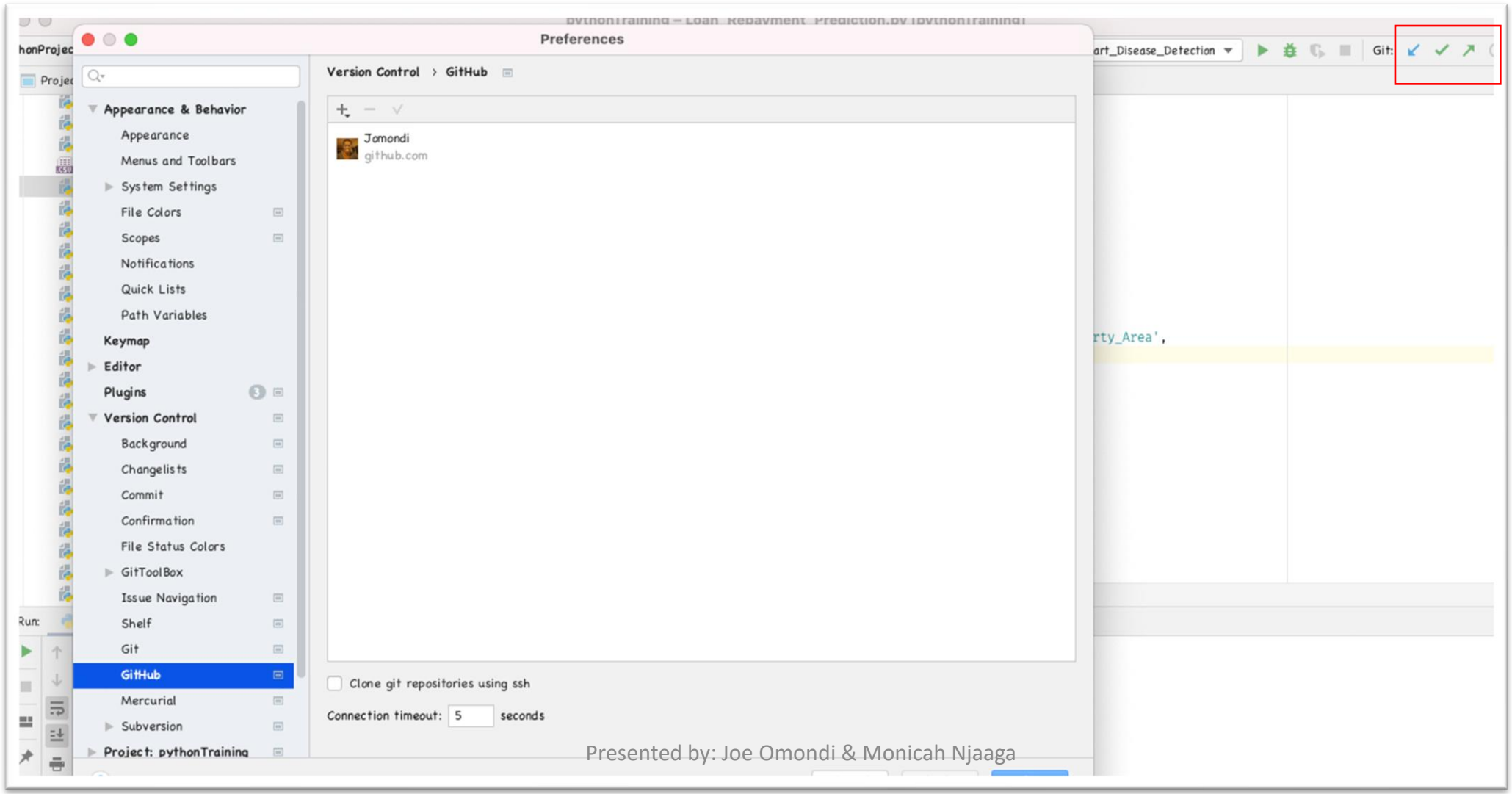
Choose a license
A license tells others what they can and can't do with your code. Learn more.

Create repository

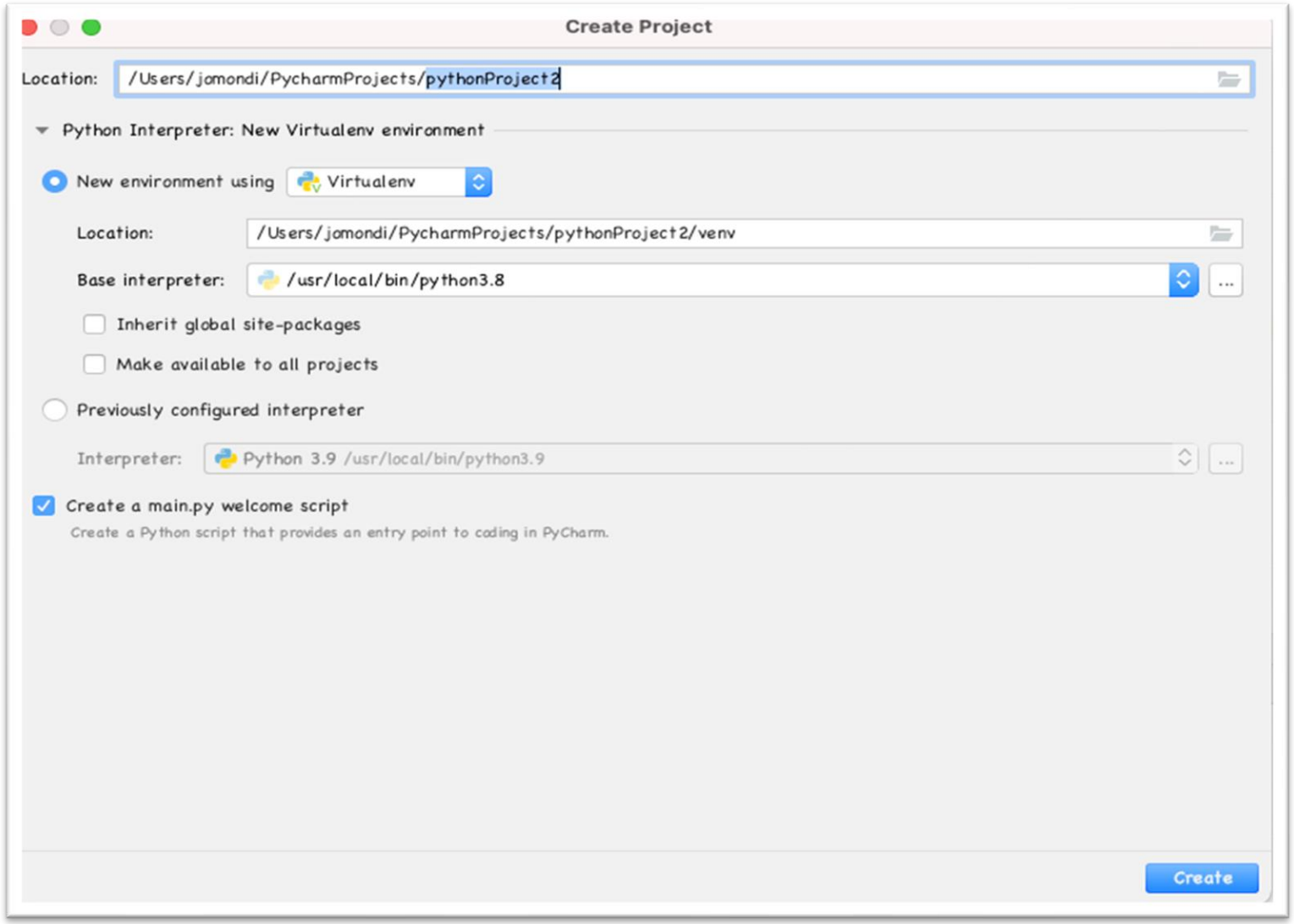
In Github.com, navigate to the repo you have created, to find the steps below to follow to commit your code from PyCharm.



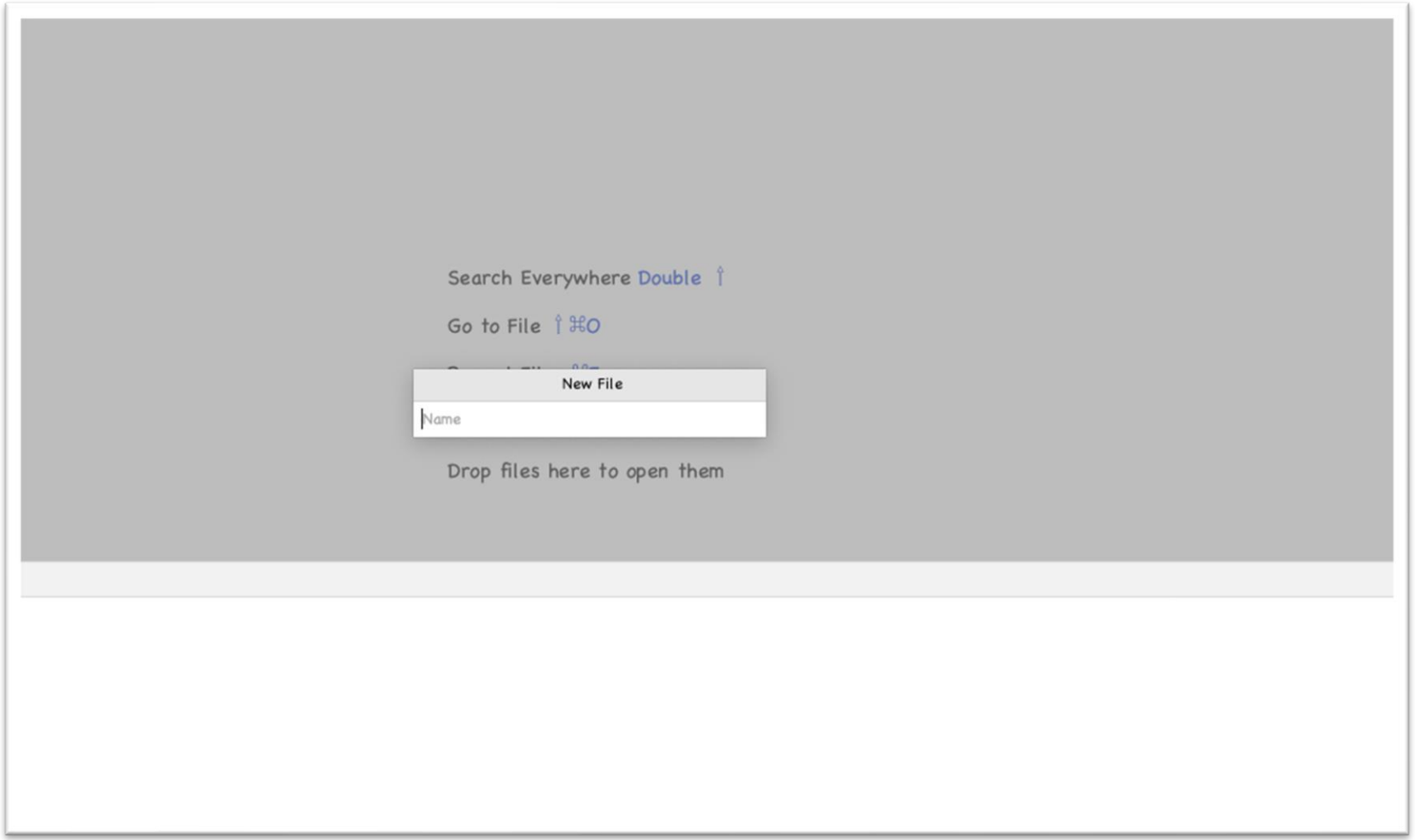
In PyCharm, create a new project – File -> New Project
If you are logged into Github.com, you will see the icons to the right (in an orange box)

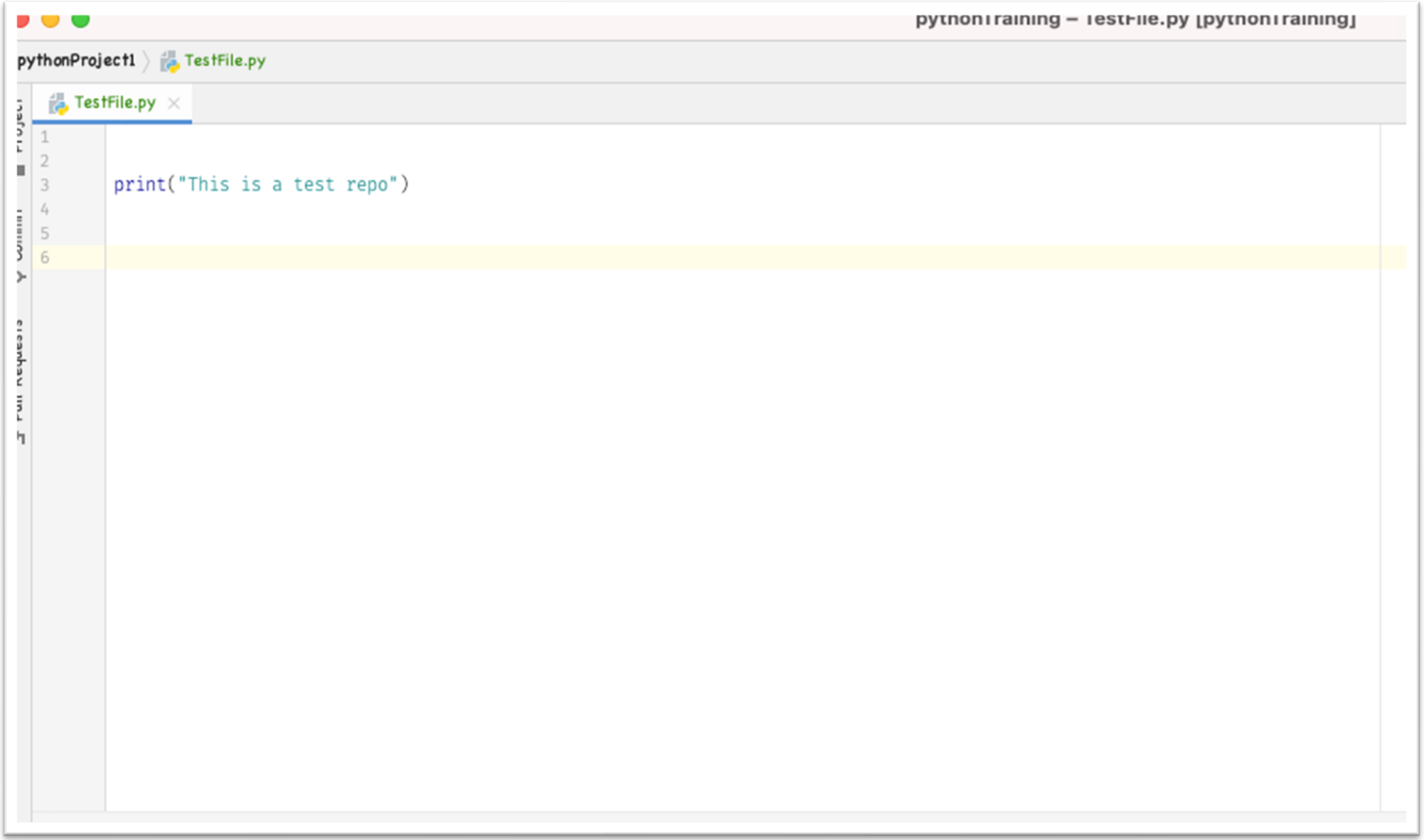


Pick a name of your choice, then click create, it is preferable that you open your project in a New window
Note: It may take a while to create the project



Create a new Python(.py) file





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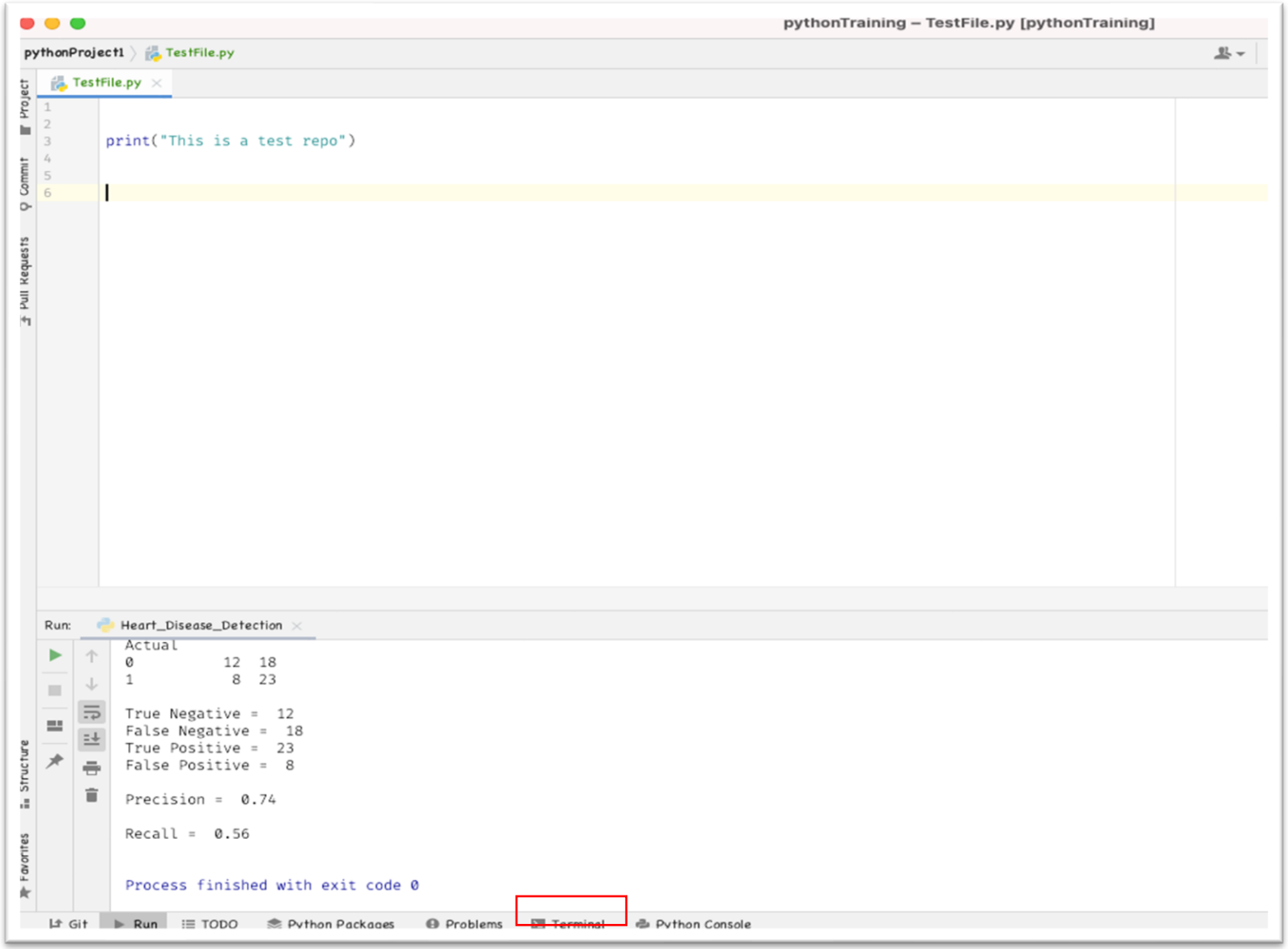
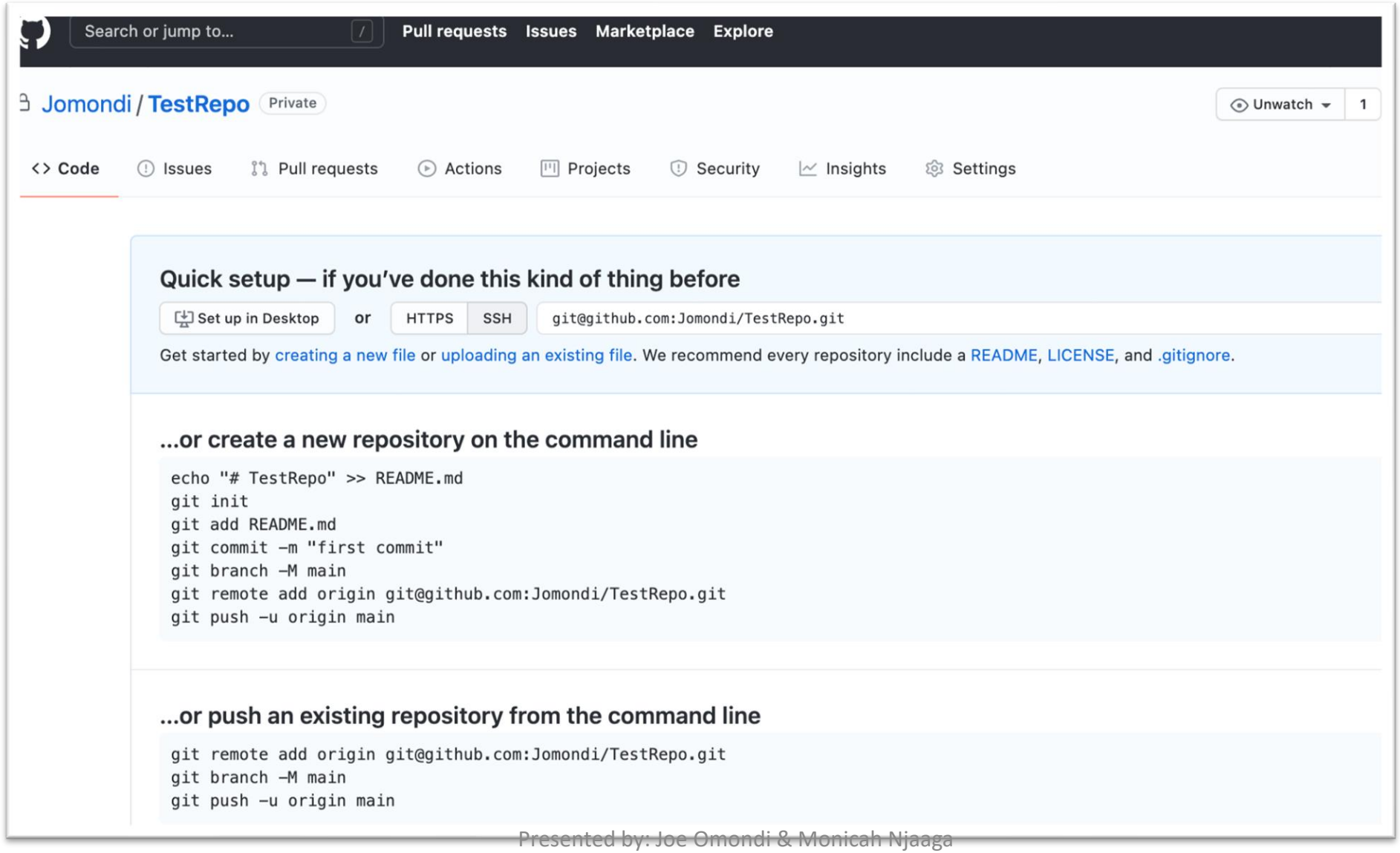
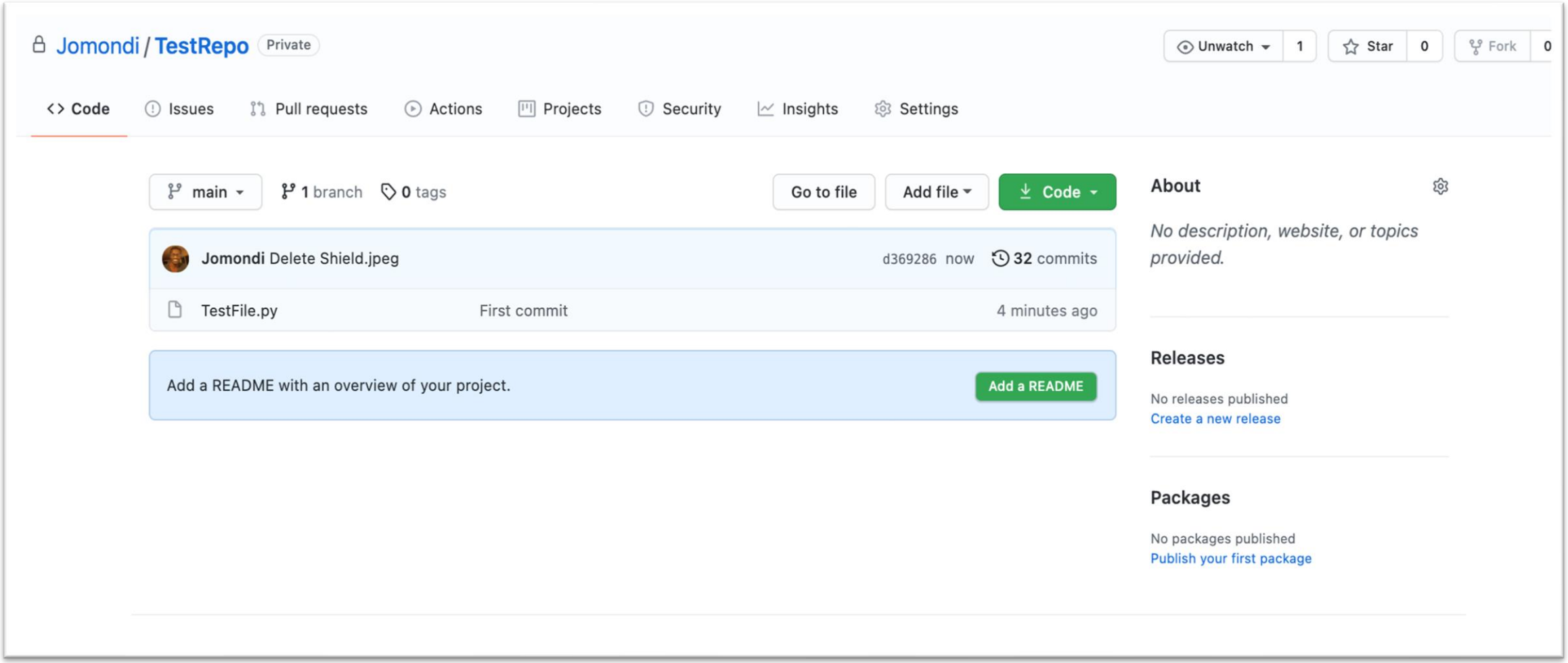
Navigate to the terminal within the Pycharm window (see circled in red)



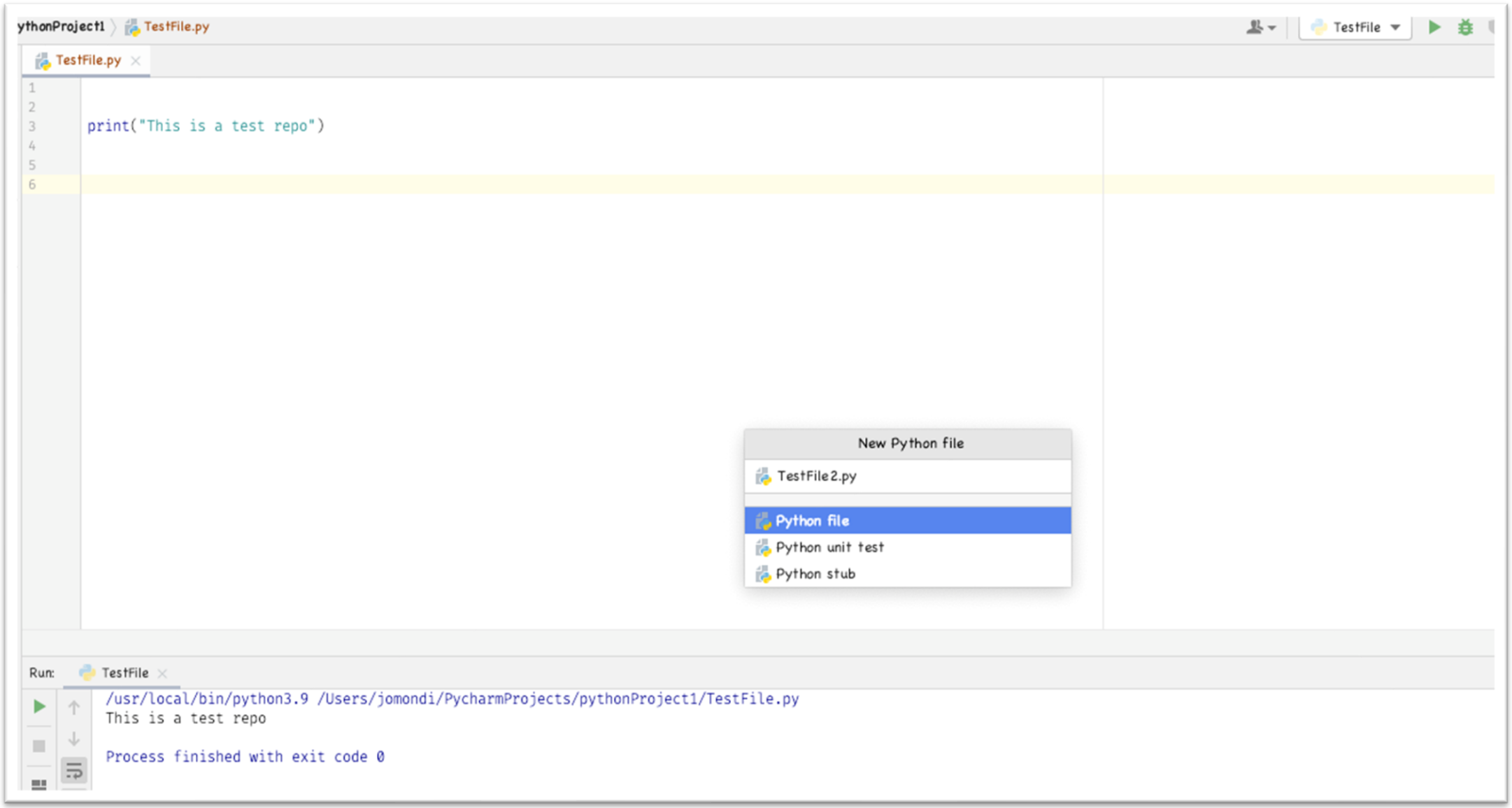
In the terminal, execute the steps below in the displayed order. Ignore the git add README.md command especially if you don't have such a file created in your local.



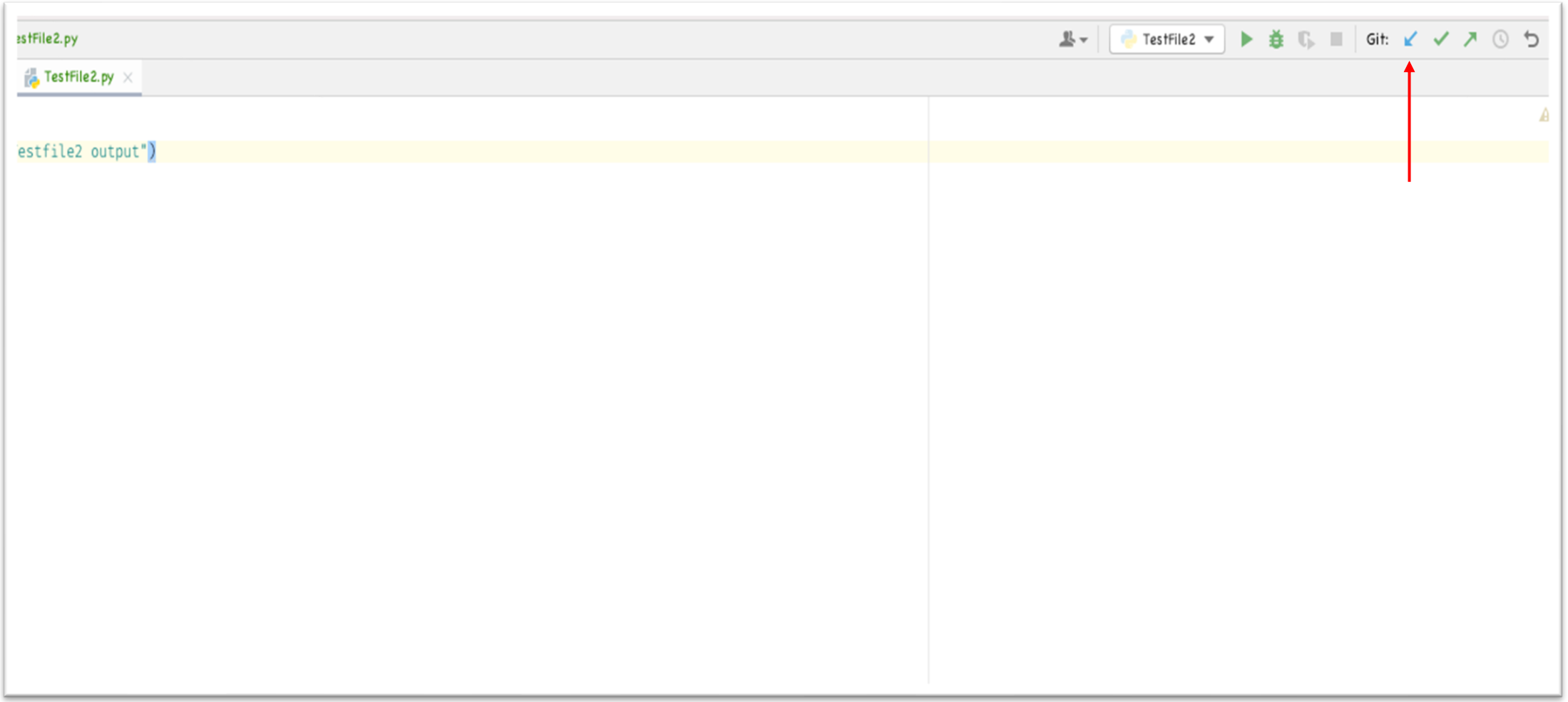
Once all commands are ran, navigate back to github and refresh the page. Newly commited file should now be visible.
You can now add a README.md file and update it with the project overview.



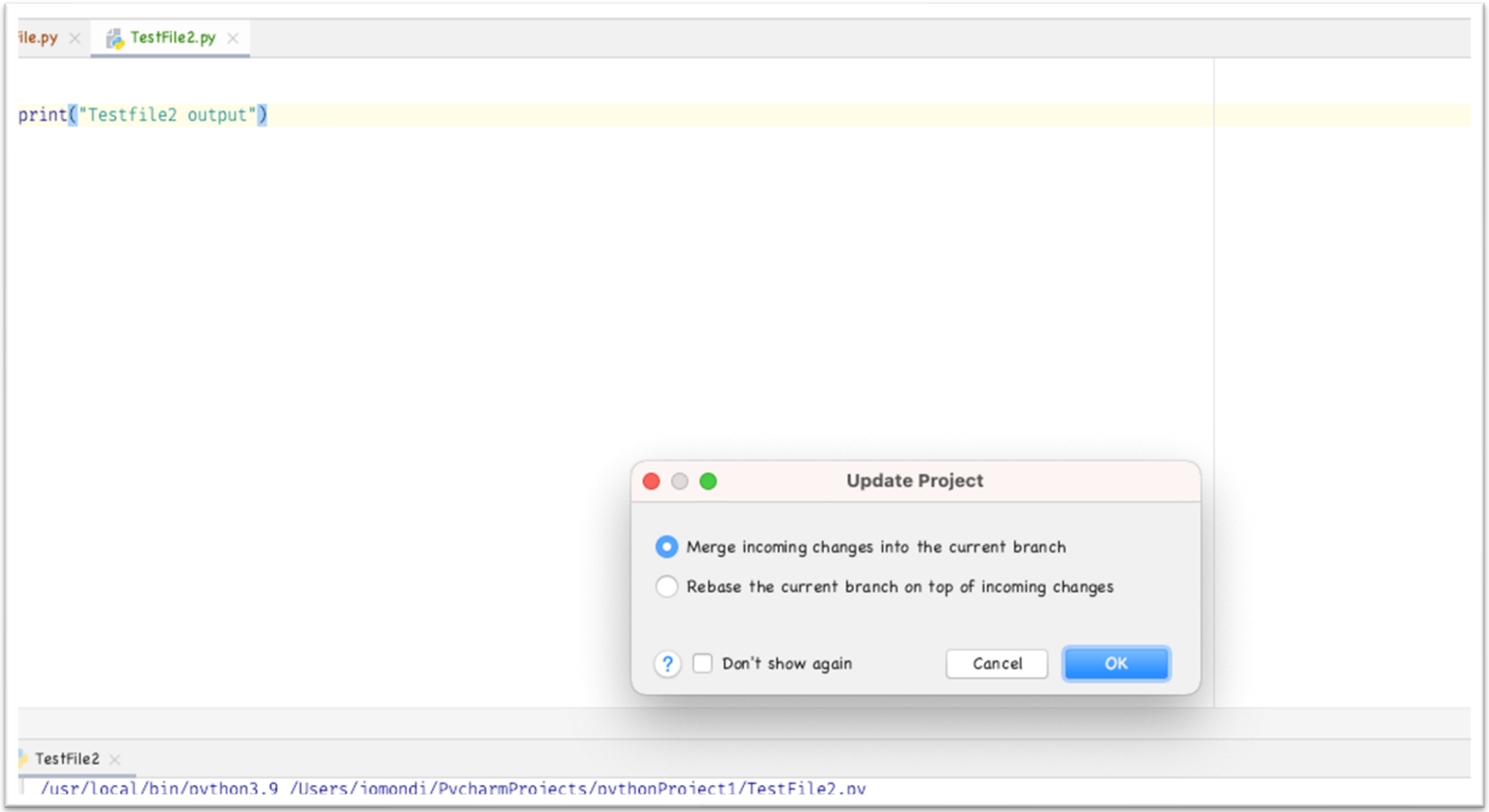
Create a new Python file and save it.



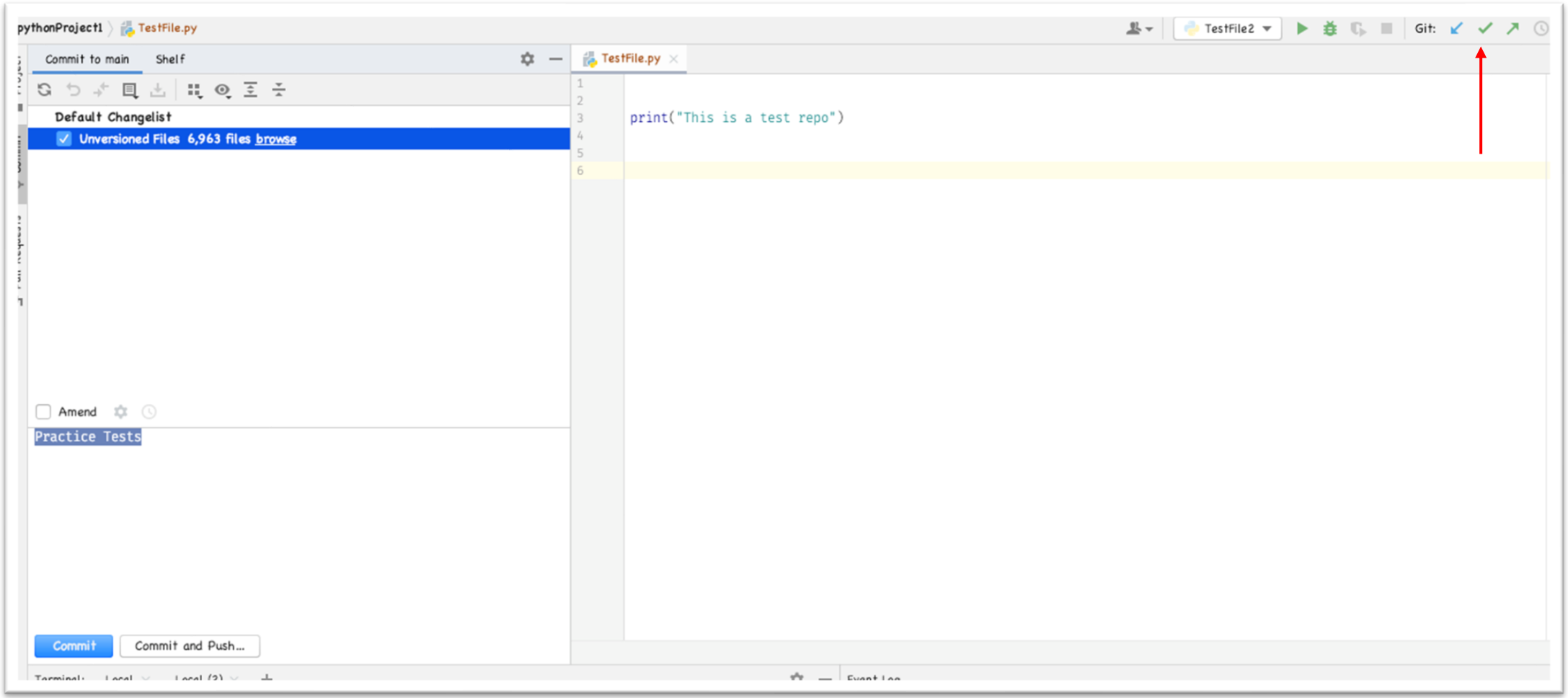
Click on update project arrow in Pycharm as displayed below.



Click on OK button in the displayed pop up box.



Click on Commit button.
Select the file name from the displayed left menu then click on Commit and Push button
Navigate back to Github and refresh the page. Both .py files should be displayed on the page.



REFERENCE NOTES

For further reference and understanding of Git and Github, please reference the below reading materials/videos. The commands used in this presentation are the utmost basic commands used in Github and there are more that can be learnt thru further research.

- https://docs.github.com/en/github
- https://www.youtube.com/watch?v=RGOj5yH7evk
- https://www.youtube.com/watch?v=CRlGDDprdOQ&t=61s

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