

# Using A Repository

Launch Lab

## Instructions

### Learning Objectives

- Create a repository
- Clone a repository
- Commit a new file to the repository
- Push to a repository

### Source Content

**Step 1:** Create a new repository on your Github account named `repo-exercise`. Ensure that **Add a README file** is selected.

Owner \*

Repository name \*

Great repository names are long and memorable. Need inspiration? How about [animated-engine](#)?

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.](#)

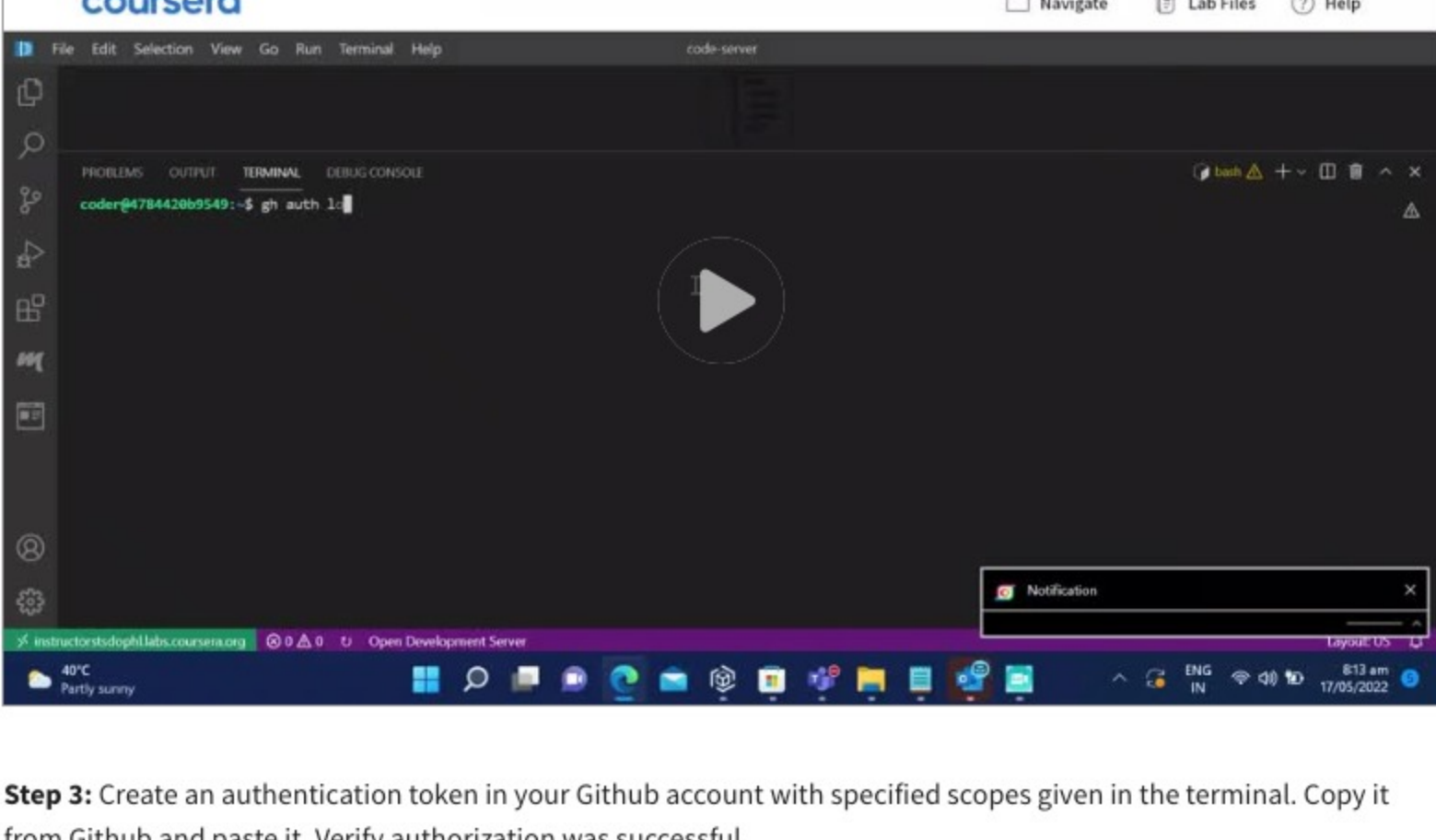
Choose a license  
A license tells others what they can and can't do with your code. [Learn more.](#)

This will set `main` as the default branch. Change the default name in your settings.

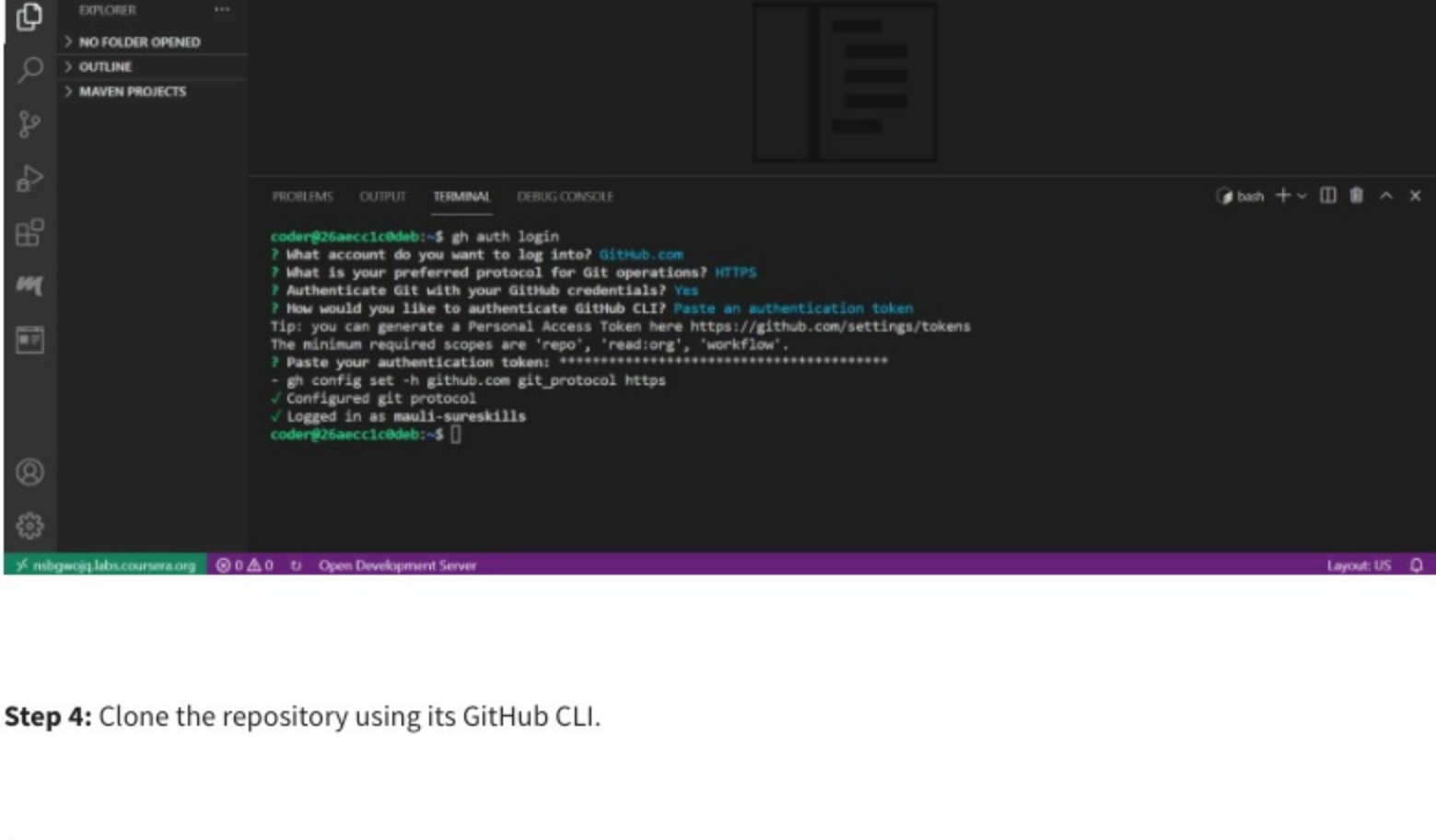
[Create repository](#)

**Step 2:** Open the Terminal and authenticate using `gh` (Github CLI):

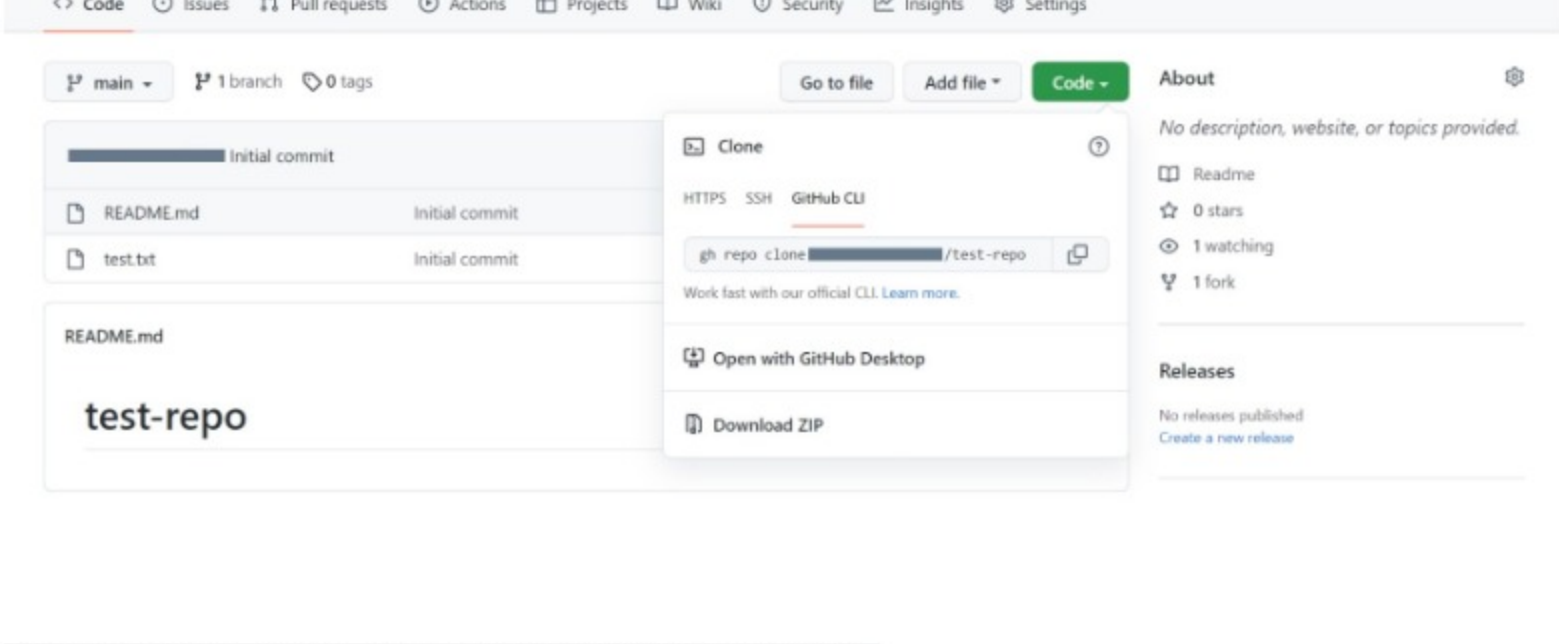
`gh auth login`



**Step 3:** Create an authentication token in your Github account with specified scopes given in the terminal. Copy it from Github and paste it. Verify authorization was successful.



**Step 4:** Clone the repository using its GitHub CLI.

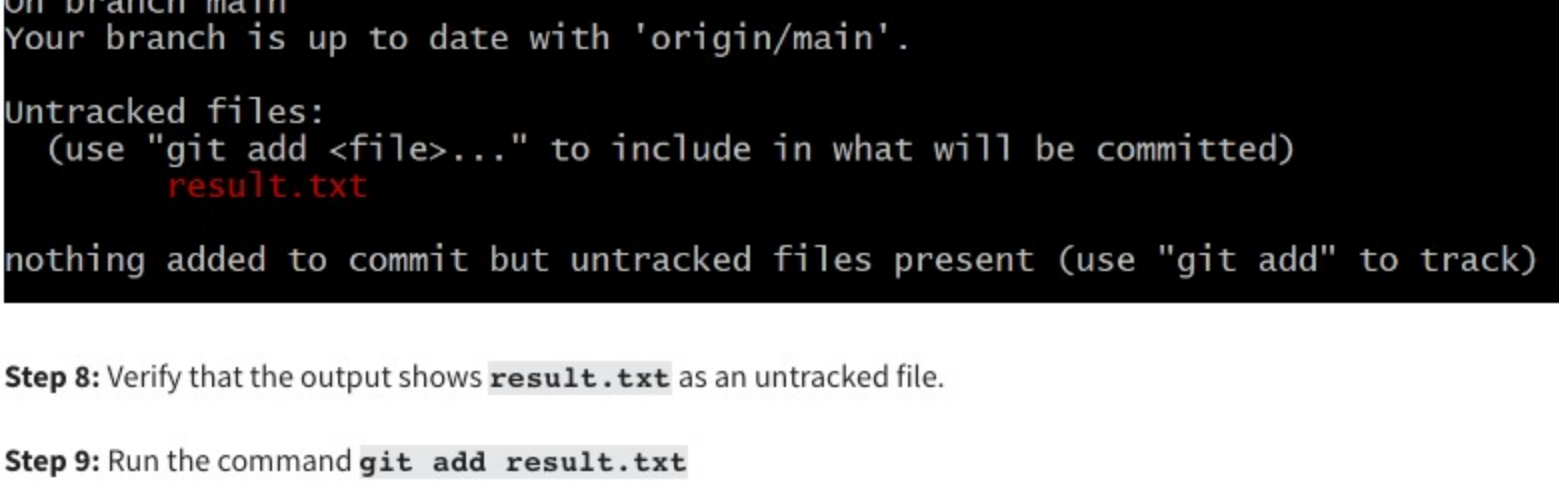


`gh repo clone <YOUR USERNAME>/<REPOSITORY-NAME>`

**Step 5:** Move to the repo directory by using `cd <REPOSITORY-NAME>`

**Step 6:** Add the `result.txt` to the repository folder.

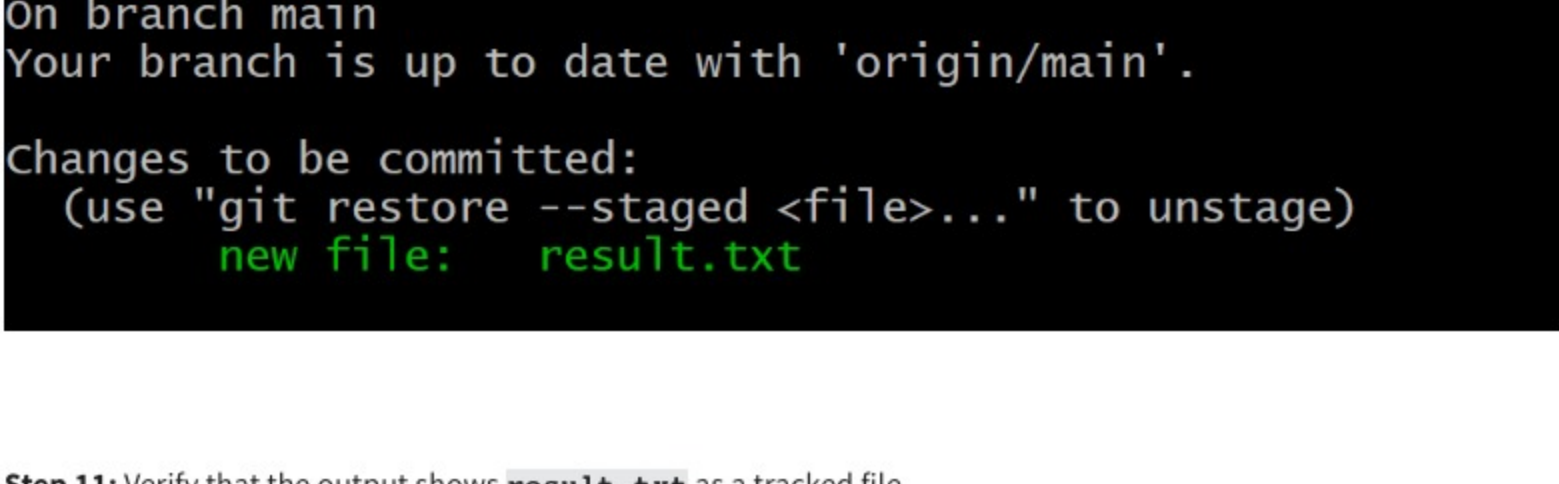
**Step 7:** In the Git terminal, run the `git status` command



**Step 8:** Verify that the output shows `result.txt` as an untracked file.

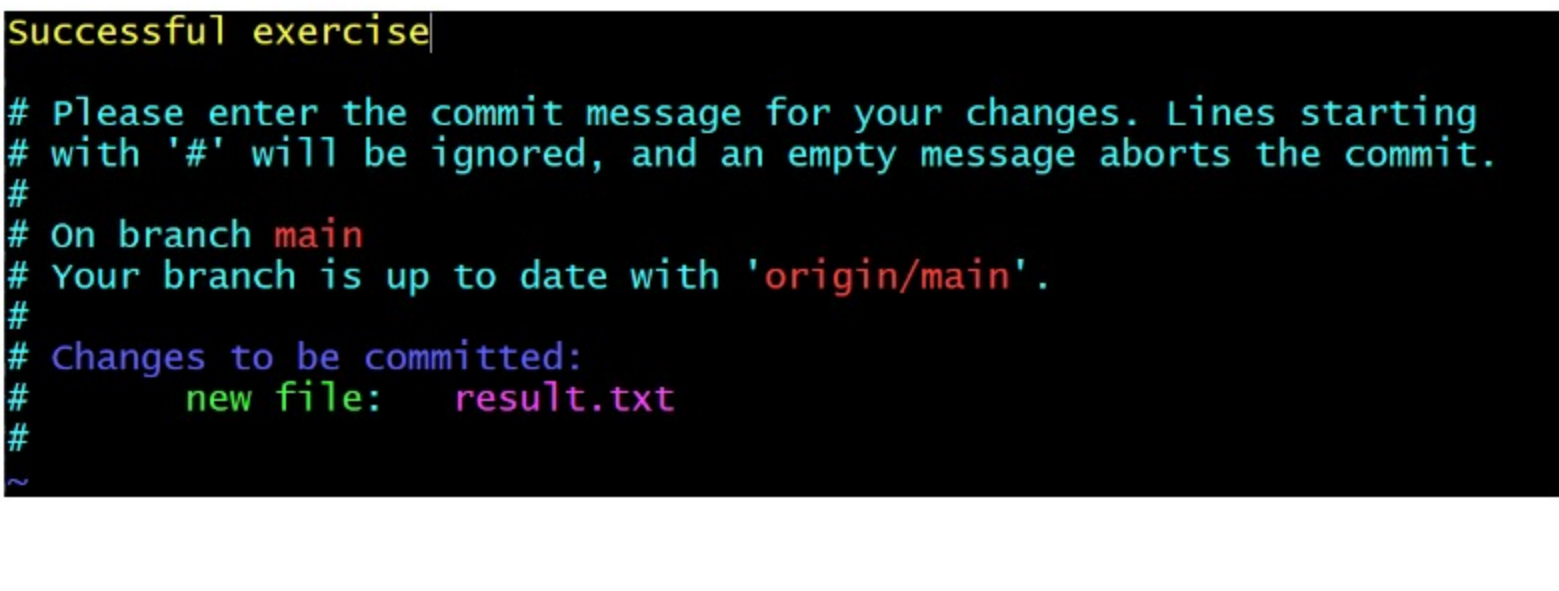
**Step 9:** Run the command `git add result.txt`

**Step 10:** Run the `git status` command again.

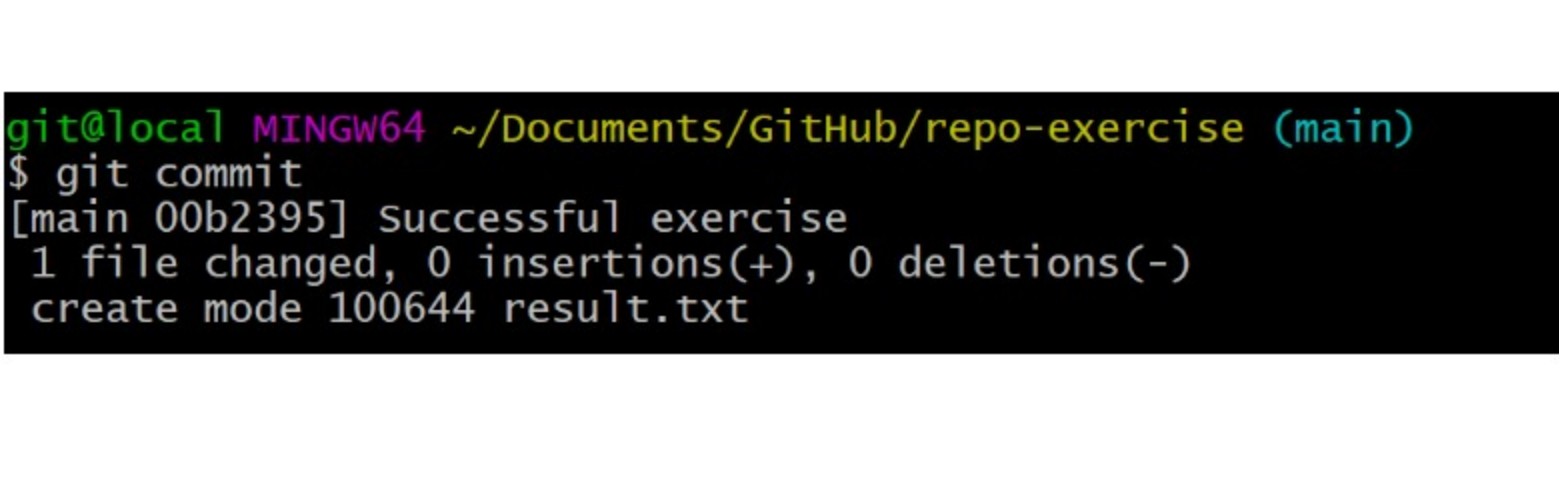


**Step 11:** Verify that the output shows `result.txt` as a tracked file.

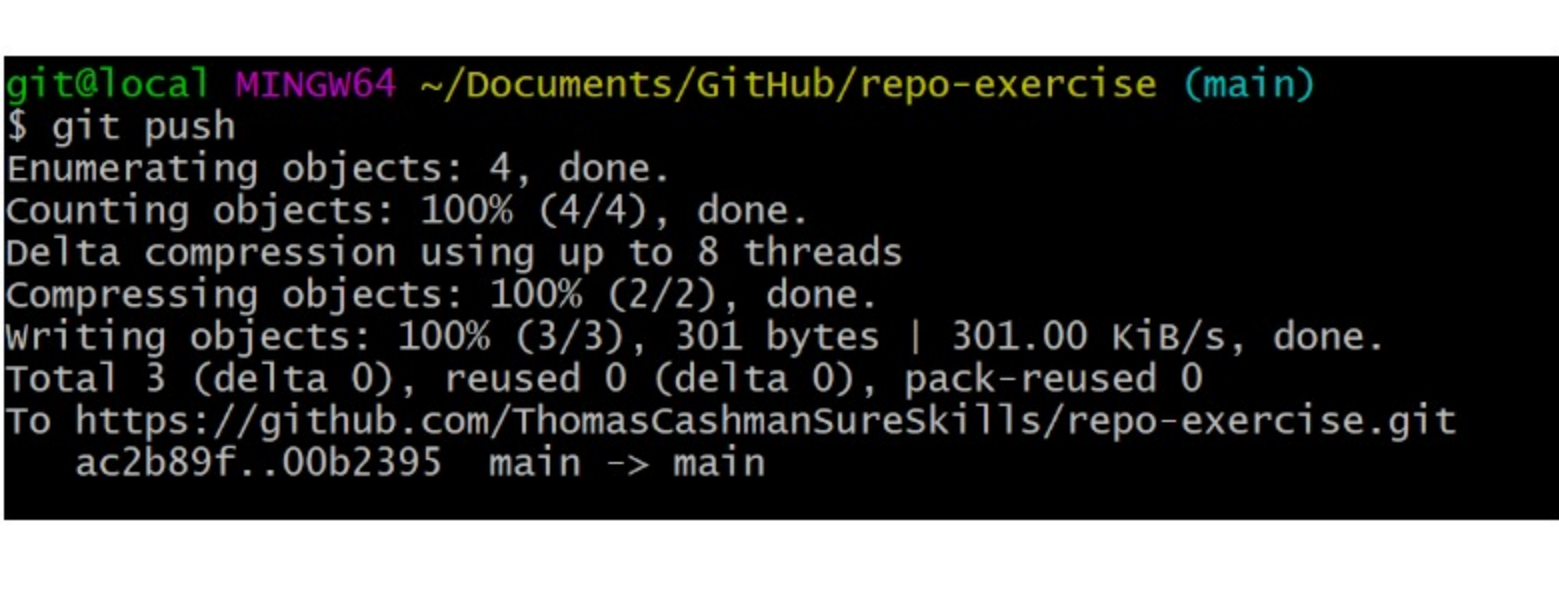
**Step 12:** Next, run the `git commit` command and specify the commit message as `Successful exercise`



**Step 13:** Verify that the output shows `result.txt` with create mode

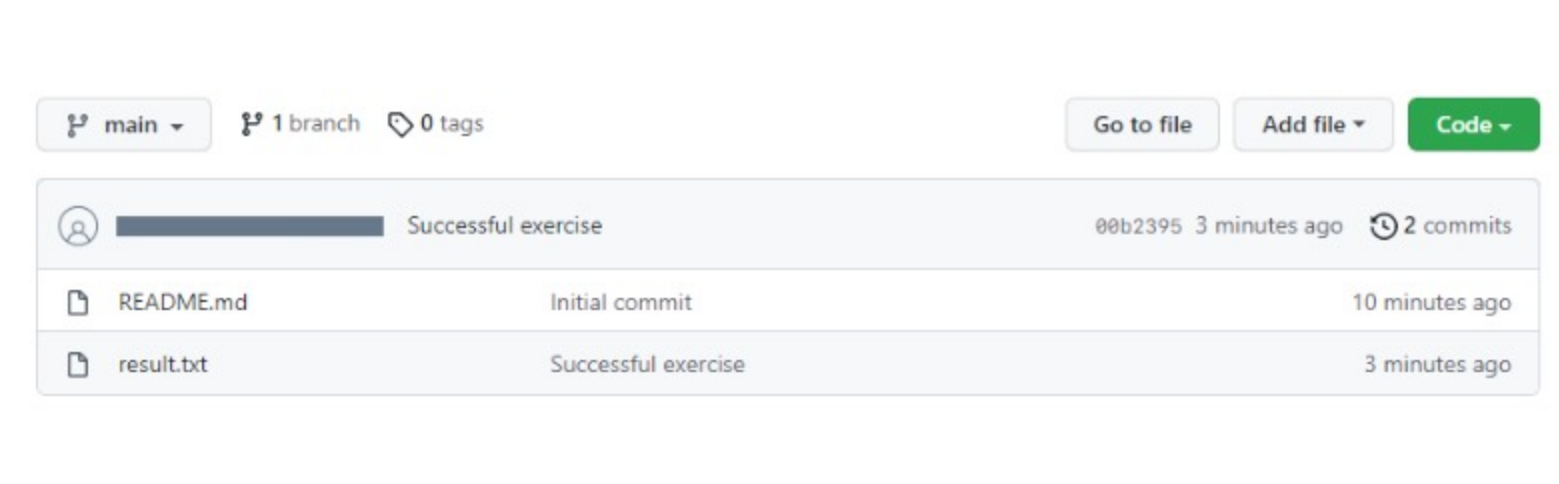


**Step 14:** Next, run the `git push` command.



**Step 15:** Verify that the output pushed successfully.

**Step 16:** On Github, go to your repository page.



**Step 17:** Verify that the `result.txt` file is listed. You may need to refresh the page to see the changes.

Congratulations! You have completed this exercise.