Code Nation

Git

Git command lines

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Learning Objectives

- To use create and use a repository
- To push your files to GitHub as commits

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What is GitHub?

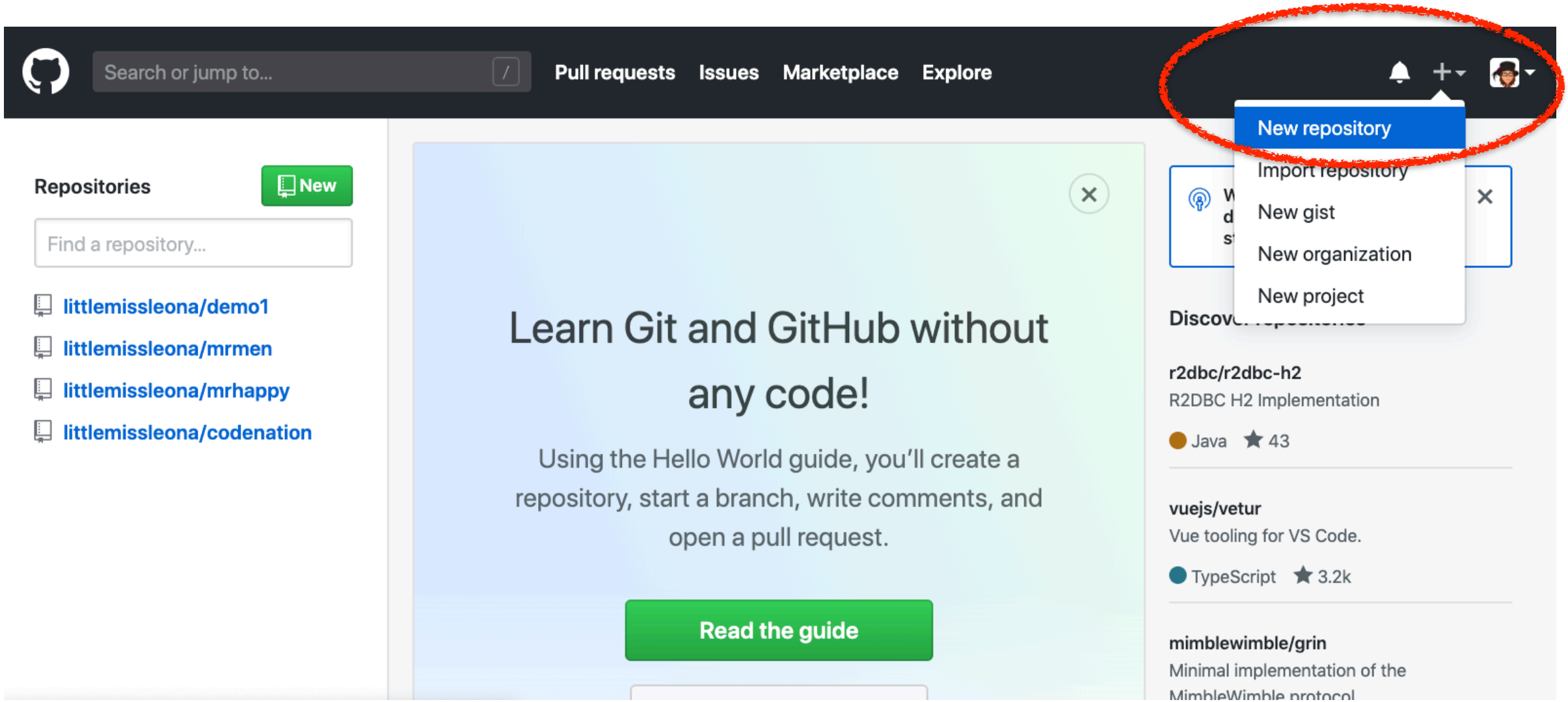
A code hosting platform for version control and collaboration

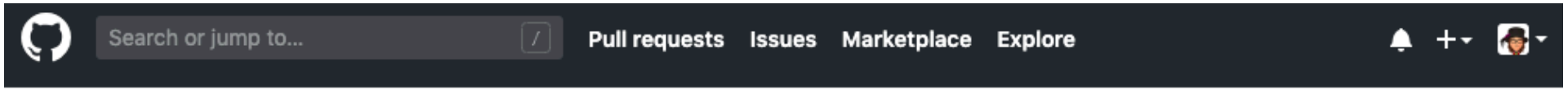
Sign up/log in to GitHub now

DO NOT install GitHub Desktop

Create a new repository

Head to GitHub.com and create a new repository





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Create a new repository

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

Owner littlemissleona / **Repository name** * myfirstproject

Great repository names are short and memorable. Need inspiration? How about super-

Description (optional)

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

Private
You choose who can see and commit to this repository.

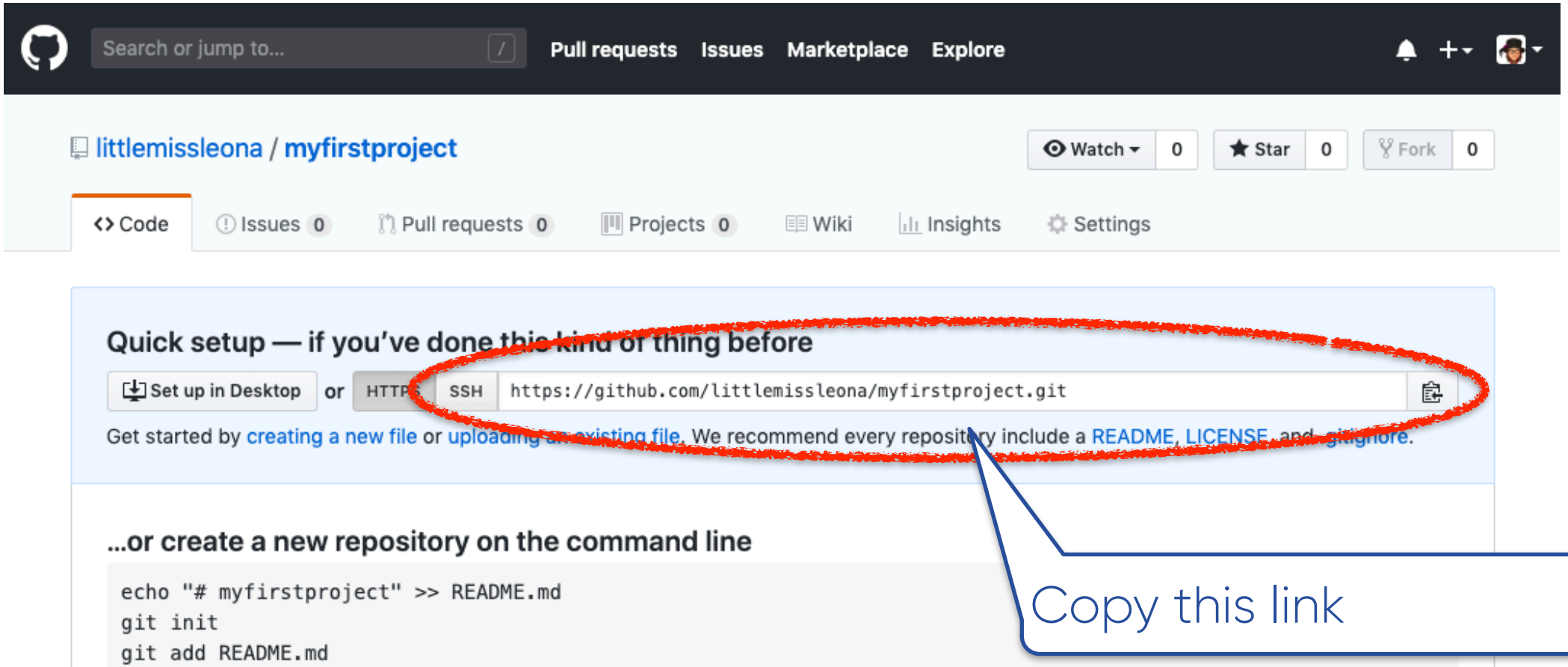
Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None | Add a license: None

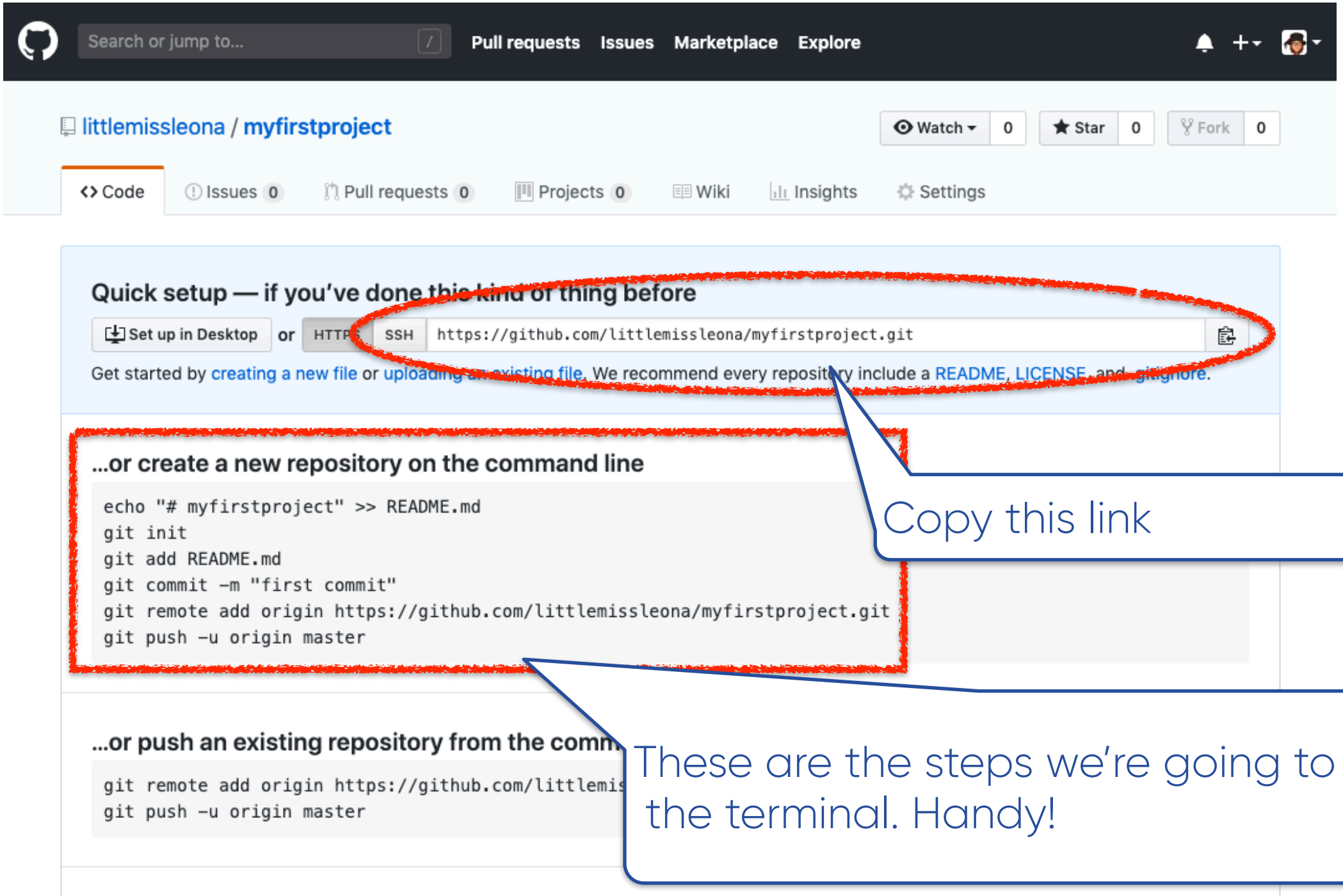
Create repository

Pick a name for your project, with:
- small letters
- no spaces

Create this new repository



Copy this link


Search or jump to...
Pull requests
Issues
Marketplace
Explore
littlemissleona / myfirstproject
Watch 0
Star 0
Fork 0
Code
Issues 0
Pull requests 0
Projects 0
Wiki
Insights
Settings
Quick setup — if you've done this kind of thing before
Set up in Desktop
or
HTTPS
SSH
https://github.com/littlemissleona/myfirstproject.git
Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.
...or create a new repository on the command line
echo "# myfirstproject" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/littlemissleona/myfirstproject.git
git push -u origin master
...or push an existing repository from the comm
git remote add origin https://github.com/littlemis
git push -u origin master
Copy this link
These are the steps we're going to follow in the terminal. Handy!

Linking your directory with git

Let's have a look at some syntax

*Don't do anything yet. There will be a summary page!

*for the first time, when we've created a new repository

git init

This syntax initialise the git repository, it will create a hidden file called .git, which acts as a middle person speaking between your directory updates and Git.

git status

This syntax checks the status of your directory since you last had any contacts with your Git. (e.g. added new file, changes contents in your file etc.)

git add .

This syntax add everything (the ".") to git.

```
git add filename.txt filename2.html
```

Or you can add each individual files but giving names on each one.

```
git commit -m “this is my commit comment”
```

Once you have added your files, you can then make commit by using this syntax and add your commit comment.

```
git remote add origin <repository-url>
```

This will add all commits to the link which you will be given when creating a new repository (in the next section)

git push -u origin master

This will update all commits you added to your repository. -u stands for upstream, and master refers to the master branch (you can have many branches)

Summary

```
git init
git status*
git add .
git commit -m “first commit comment”
git status*
git remote add origin https://github.com/username/respositoryname.git*
git push -u origin master
```

*git status allows you to check the status in this directory (what you have done so far). You don’t need this step if you are happy with what you are doing.

*You may be asked for your GitHub log in details, if so, just follow the instructions. It might look like your password isn’t typing, but it is...

*after first commit

```
git status
git add .
git commit -m “your commit comment”
git status
git push
```

What if... I want to get the files on a different computer

Create a directory with the same name as your repository, then the following:

```
cd path/folder
git init
git pull https://github.com/username/respositoryname.git
```

Everything should now be in the folder pull from git.

Then follow the usual instructions as you normally do.

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