**make a new github directory:**

* on your web browser (I used edge) login to github (if you are not logged in yet)
* in the upper black rectangle, you see your personal icon most right: click it, and click Your repositories
* click the green New button
* type a name under Your repository
* for the exercise, check public, and don't check any of the three intialize options
* (if you get how it works, select whatever is appropriate)
* click the green create repository button
* you now get getting started instructions, follow these steps after authentication, below authentication, I gave these instructions with some extra for-dummies details ;-)

**authentication:**

* on your web browser (I used edge) login to github (if you are not logged in yet)
* in command prompt, type: **gh auth login**
* after pressing enter, it gives you two options, choose *GitHub.com*
* if you're already logged in, it might say *You're already logged into*[*github.com*](http://github.com/)*. Do you want to re-authenticate?*
  + press Y if you want to try out the code, if you press n, it will quit the process.
* It will ask: *What is your preferred protocol for Git operations?*
* Choose: HTTPS
* It will ask: *Authenticate Git with your GitHub credentials?*
* Choose: Yes or Y
* It will ask: *How would you like to authenticate GitHub CLI?*
* Choose: Login with a web browser
* It will give you a one time code; copy it and press enter
* It will now open a web browser. paste the code in the code field and click continue.
* It will show you some details, read them, if you're ok with it, click Authorize github
* In command prompt, you see some updates, press enter and read the final outputs
* You have now authorized your computer / GIT for access to github

**upload data to github**

* (I assume you followed the entire GIT workflow for this (this includes: initializing git in your working directory (git init), adding new/ modified files to your staging areas (git add ]file name[), and committing the staging area to the repository (git commit -m "message"), more details may follow in README GIT)
* in command prompt, change directories to a working directory that you have committed and want to push to your above created github repository
* type git remote add origin [https://github.com/[username\_github]/[repository\_youwanttopushto].git](https://github.com/%5Busername_github%5D/%5Brepository_youwanttopushto%5D.git)
* git branch -M main
* git push -u origin main
* (after committing any changes to your working directory, you can simply repeat the upload data to github process)