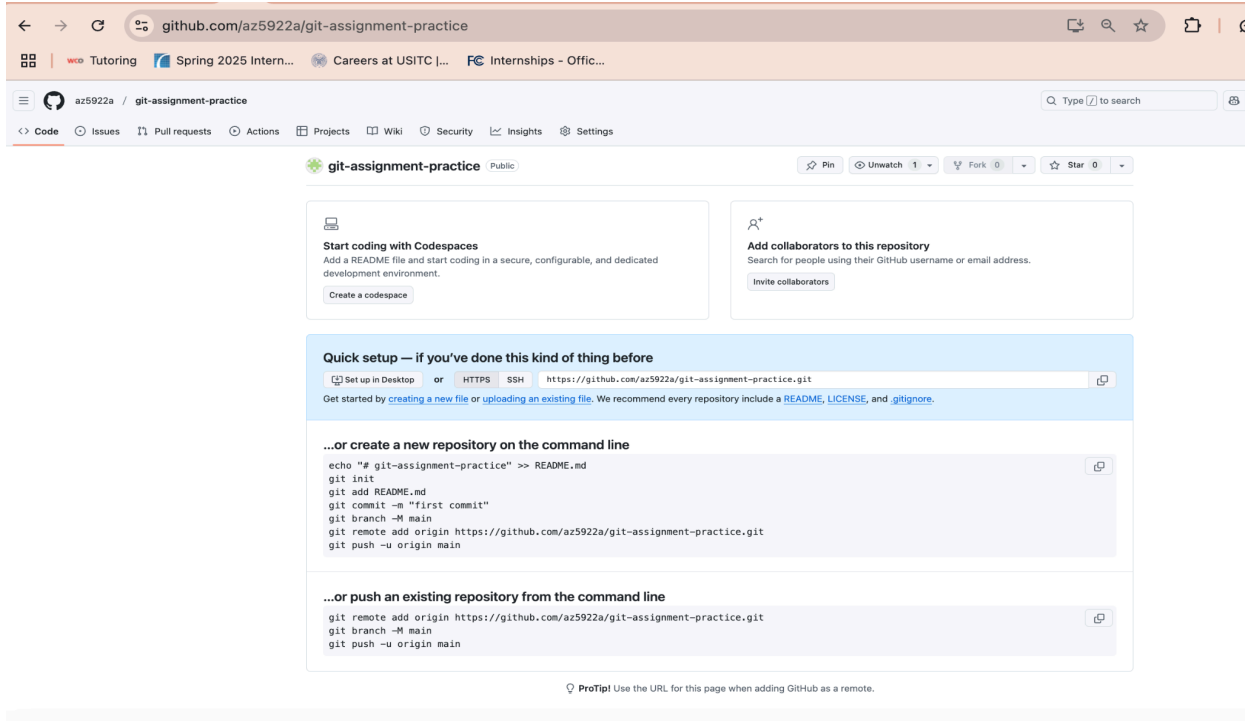


Name: Alasya Zeweldi

Homework assignment #2

URL: <https://github.com/az5922a/git-assignment-practice>

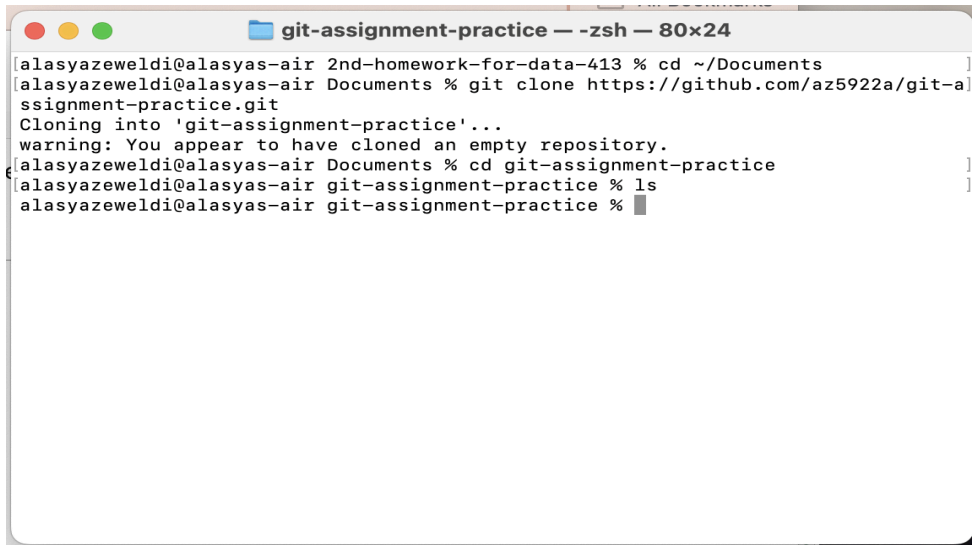
Step one: creating Repository :



URL: <https://github.com/az5922a/git-assignment-practice>

description: To begin, I created a new GitHub repository named git-assignment-practice. I went to GitHub, clicked "New Repository," and gave it a name. I made sure it was set to public and didn't include a .gitignore or README file since I wanted to start fresh. After that, GitHub generated a repository URL, which I copied for later use.

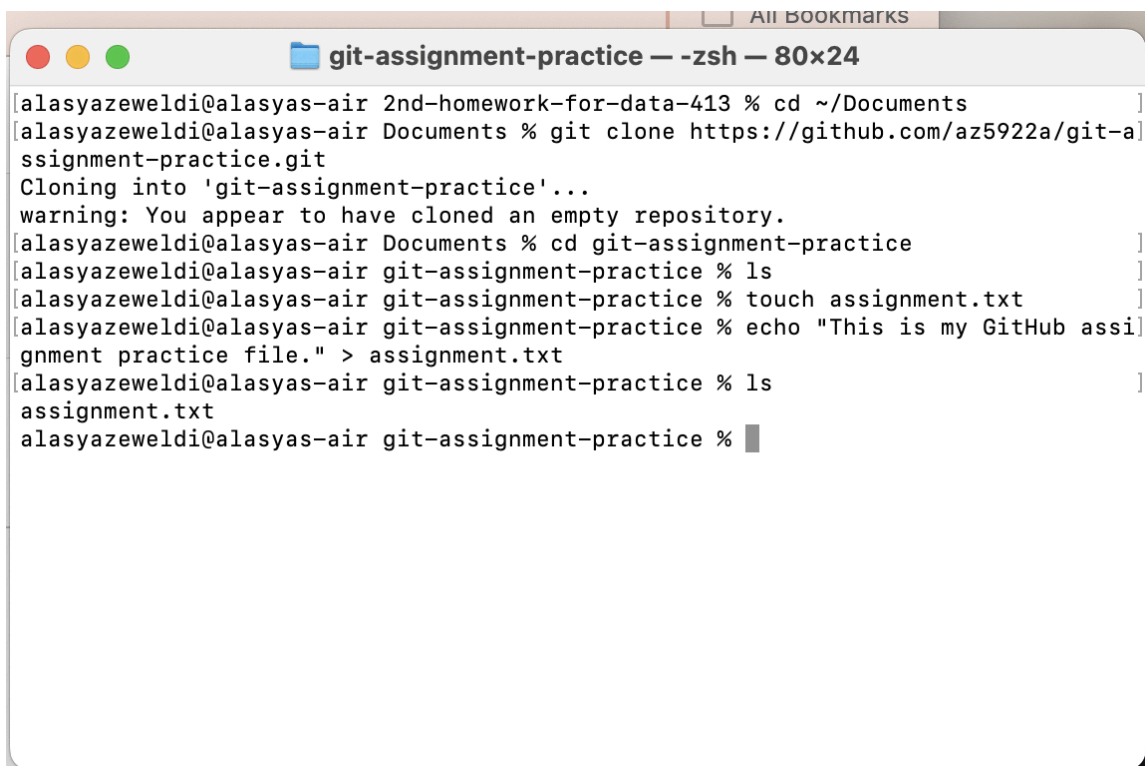
Step 2: Cloning the GitHub Repository to Local Machine

A terminal window titled "git-assignment-practice — zsh — 80x24" with a macOS-style title bar. The terminal shows the following commands and output:

```
[alasyazeweldi@alasyas-air 2nd-homework-for-data-413 % cd ~/Documents ]
[alasyazeweldi@alasyas-air Documents % git clone https://github.com/az5922a/git-a]
ssignment-practice.git
Cloning into 'git-assignment-practice'...
warning: You appear to have cloned an empty repository.
[alasyazeweldi@alasyas-air Documents % cd git-assignment-practice ]
[alasyazeweldi@alasyas-air git-assignment-practice % ls ]
alasyazeweldi@alasyas-air git-assignment-practice % █
```

Description: With the repository set up, I moved to my terminal to clone it onto my local machine. I navigated to my Documents directory and ran the git clone command, followed by the repository URL. This created a local copy of the repository so I could work on it from my computer. After cloning, I changed directories into the newly created repository to begin working.

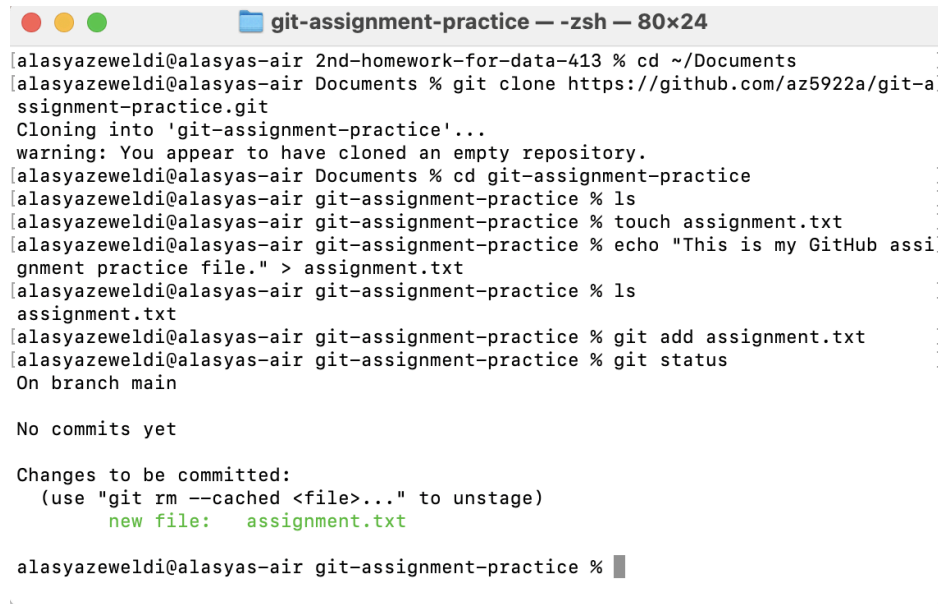
Step 3: Creating and Adding Content to a New File

A terminal window titled "git-assignment-practice — zsh — 80x24" with a macOS-style title bar. The terminal shows the following commands and output:

```
[alasyazeweldi@alasyas-air 2nd-homework-for-data-413 % cd ~/Documents ]
[alasyazeweldi@alasyas-air Documents % git clone https://github.com/az5922a/git-a]
ssignment-practice.git
Cloning into 'git-assignment-practice'...
warning: You appear to have cloned an empty repository.
[alasyazeweldi@alasyas-air Documents % cd git-assignment-practice ]
[alasyazeweldi@alasyas-air git-assignment-practice % ls ]
[alasyazeweldi@alasyas-air git-assignment-practice % touch assignment.txt ]
[alasyazeweldi@alasyas-air git-assignment-practice % echo "This is my GitHub assi]
gnment practice file." > assignment.txt
[alasyazeweldi@alasyas-air git-assignment-practice % ls ]
assignment.txt
alasyazeweldi@alasyas-air git-assignment-practice % █
```

Description: After cloning the repository, I navigated into it and created a new file called assignment.txt using the touch command. To confirm the file was there, I ran ls, which listed all files in the directory. Next, I used the echo command to write a simple message into assignment.txt. Running ls again showed that the file was successfully created.

Step 4: Staging the File for Commit



```
git-assignment-practice — -zsh — 80x24
alasyazeweldi@alasyas-air 2nd-homework-for-data-413 % cd ~/Documents
alasyazeweldi@alasyas-air Documents % git clone https://github.com/az5922a/git-assignment-practice.git
Cloning into 'git-assignment-practice'...
warning: You appear to have cloned an empty repository.
alasyazeweldi@alasyas-air Documents % cd git-assignment-practice
alasyazeweldi@alasyas-air git-assignment-practice % ls
alasyazeweldi@alasyas-air git-assignment-practice % touch assignment.txt
alasyazeweldi@alasyas-air git-assignment-practice % echo "This is my GitHub assignment practice file." > assignment.txt
alasyazeweldi@alasyas-air git-assignment-practice % ls
assignment.txt
alasyazeweldi@alasyas-air git-assignment-practice % git add assignment.txt
alasyazeweldi@alasyas-air git-assignment-practice % git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   assignment.txt

alasyazeweldi@alasyas-air git-assignment-practice %
```

Description: Before I could save my changes permanently, I had to stage the file. I did this by running git add assignment.txt, which prepared the file for commit. To check that it was successfully staged, I used git status, which showed that assignment.txt was marked as a new file ready to be committed

Step 5: Saving Changes Locally with a Commit

```
git-assignment-practice — -zsh — 96x26
[alasyazeweldi@alasyas-air git-assignment-practice % ls ]
[alasyazeweldi@alasyas-air git-assignment-practice % touch assignment.txt ]
[alasyazeweldi@alasyas-air git-assignment-practice % echo "This is my GitHub assignment practice ]
file." > assignment.txt ]
[alasyazeweldi@alasyas-air git-assignment-practice % ls ]
assignment.txt ]
[alasyazeweldi@alasyas-air git-assignment-practice % git add assignment.txt ]
[alasyazeweldi@alasyas-air git-assignment-practice % git status ]
On branch main

No commits yet

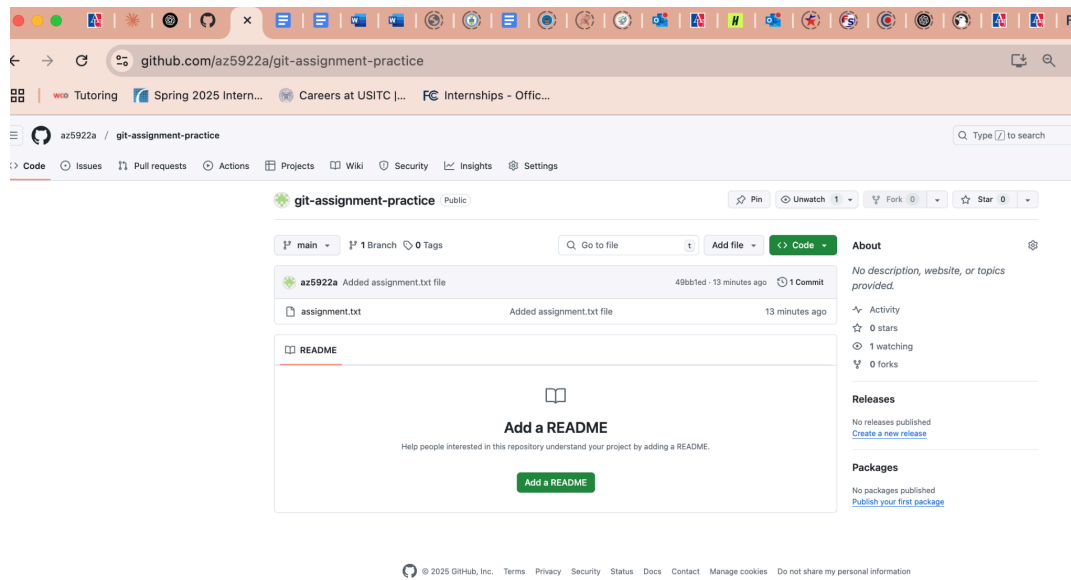
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   assignment.txt

[alasyazeweldi@alasyas-air git-assignment-practice % git commit -m "Added assignment.txt file ]
dquote> git log --oneline ]
dquote> ]
[alasyazeweldi@alasyas-air git-assignment-practice % git commit -m "Added assignment.txt file" ]
[[main (root-commit) 49bb1ed] Added assignment.txt file ]
1 file changed, 1 insertion(+)
create mode 100644 assignment.txt
alasyazeweldi@alasyas-air git-assignment-practice % git log --oneline ]
49bb1ed (HEAD -> main) Added assignment.txt file ]
alasyazeweldi@alasyas-air git-assignment-practice % █ ]
```

Description: Now that the file was staged, I saved my changes locally by running `git commit -m "Added assignment.txt file."` This created a new commit, which I verified by running `git log --oneline`. The log output showed my commit message along with a unique identifier, confirming that the commit was successfully recorded

Step 6: Uploading Changes to GitHub

```
git-assignment-practice — -zsh — 96x26
dquote> git log --oneline ]
dquote> ]
[alasyazeweldi@alasyas-air git-assignment-practice % git commit -m "Added assignment.txt file" ]
[[main (root-commit) 49bb1ed] Added assignment.txt file ]
1 file changed, 1 insertion(+)
create mode 100644 assignment.txt
alasyazeweldi@alasyas-air git-assignment-practice % git log --oneline ]
49bb1ed (HEAD -> main) Added assignment.txt file ]
[alasyazeweldi@alasyas-air git-assignment-practice % git push origin main ]
Username for 'https://github.com': az5922a ]
Password for 'https://az5922a@github.com': ]
remote: Support for password authentication was removed on August 13, 2021. ]
remote: Please see https://docs.github.com/get-started/getting-started-with-git/about-remote-rep ]
ositories#cloning-with-https-urls for information on currently recommended modes of authenticati ]
on. ]
fatal: Authentication failed for 'https://github.com/az5922a/git-assignment-practice.git/' ]
[alasyazeweldi@alasyas-air git-assignment-practice % git remote set-url origin https://ghp_cwvu7Q ]
P14kD8r6aTEyulij25om15x80gZS65@github.com/az5922a/git-assignment-practice.git ]
[alasyazeweldi@alasyas-air git-assignment-practice % git push origin main ]
Enumerating objects: 3, done. ]
Counting objects: 100% (3/3), done. ]
Writing objects: 100% (3/3), 274 bytes | 274.00 KiB/s, done. ]
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 ]
To https://github.com/az5922a/git-assignment-practice.git ]
* [new branch]      main -> main ]
alasyazeweldi@alasyas-air git-assignment-practice % █ ]
```



Description: The final step was to push my changes from my local machine back to GitHub. I used `git push origin main`, but GitHub no longer accepts password authentication, so I had to generate a personal access token. After generating the token, I updated my remote URL with it and retried the push command. Once the push was successful, I checked my GitHub repository and confirmed that `assignment.txt` was now visible in the repository.