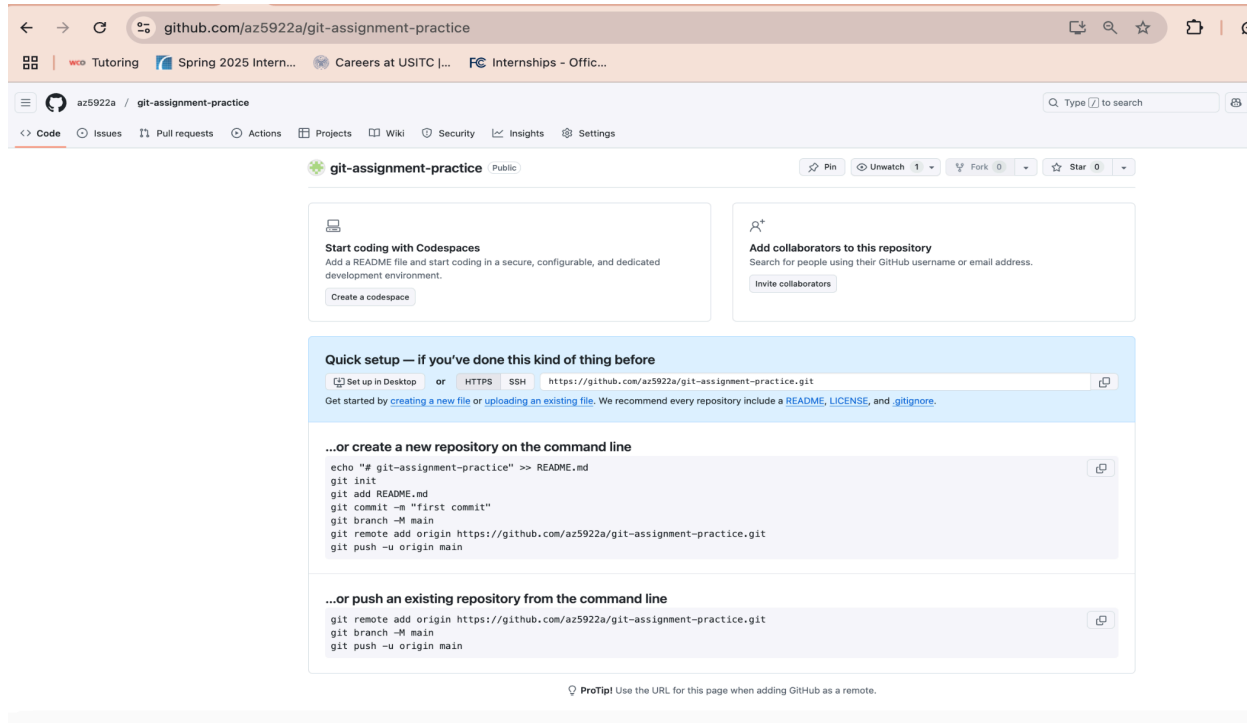


Name: Alasya Zeweldi

## Homework assignment #2

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

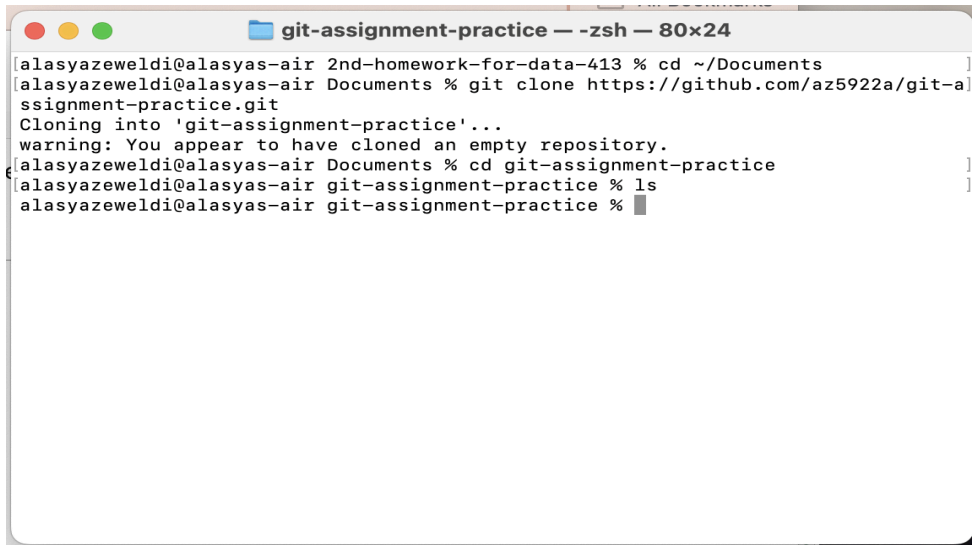
### Step one: creating Repository :



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.

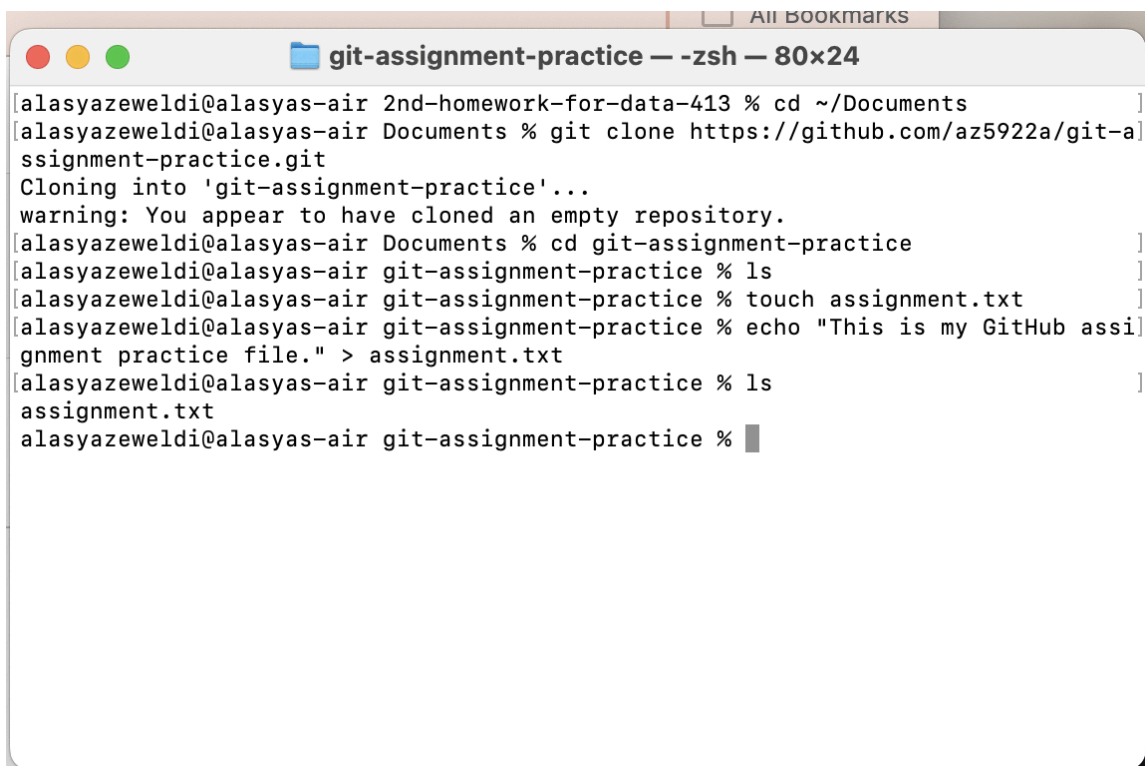
### Step 2: Cloning the GitHub Repository to Local Machine

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.

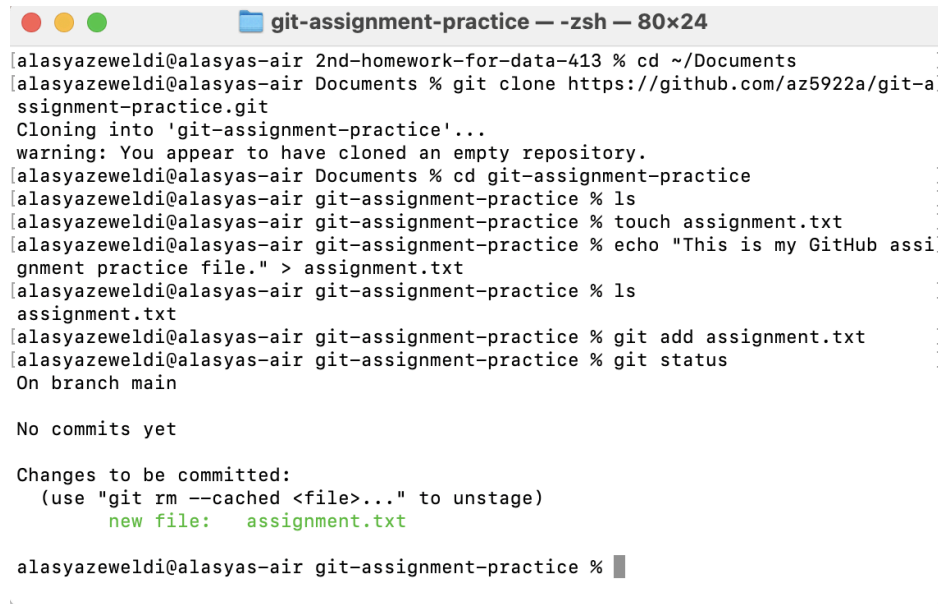
### Step 3: Creating and Adding Content to a New File

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

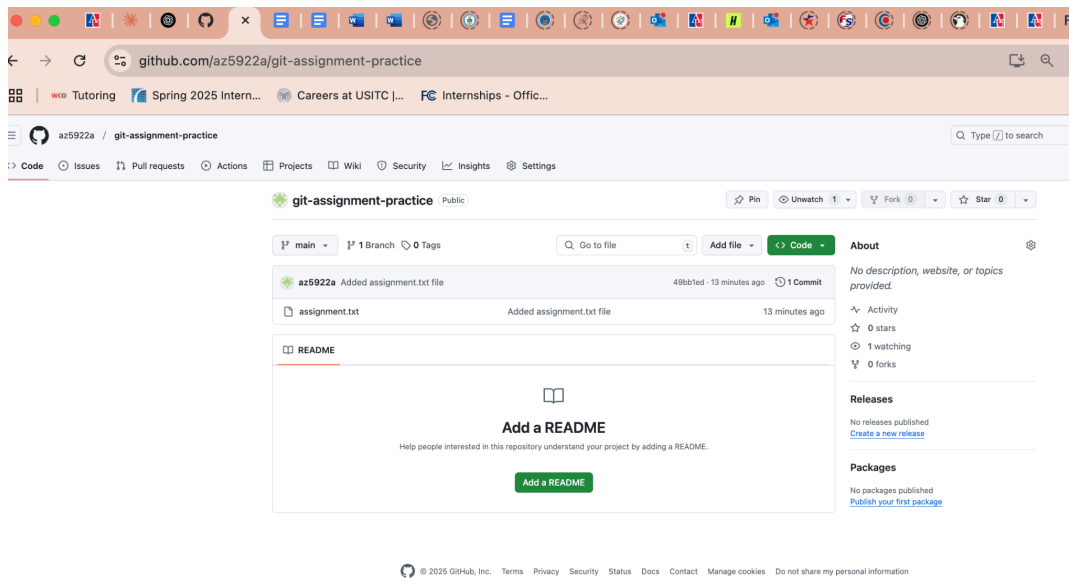
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   assignment.txt

[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

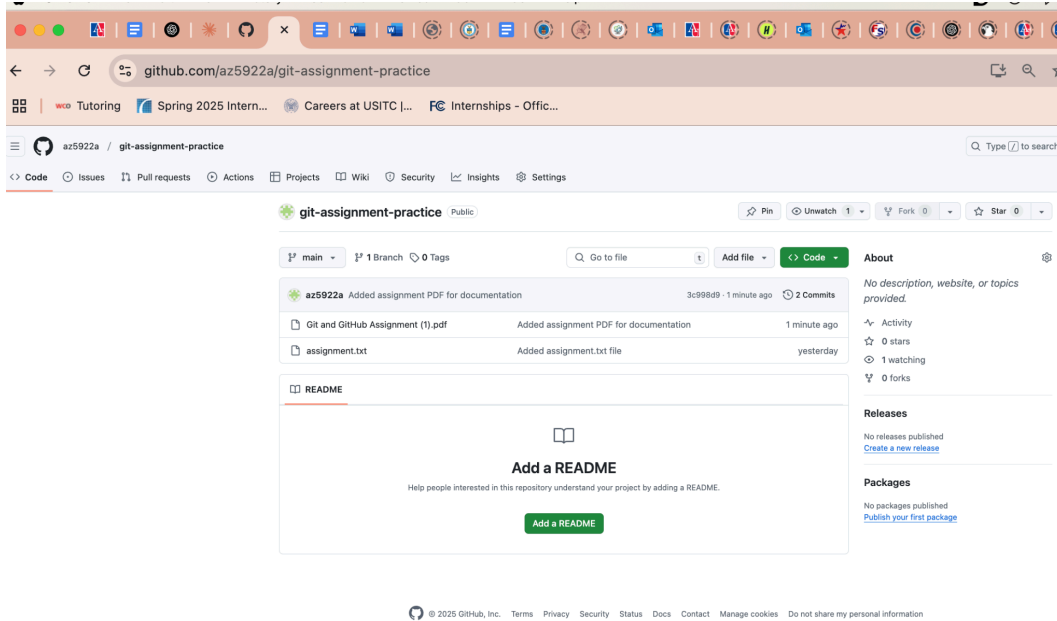
```
git-assignment-practice — -zsh — 96x26
dquote> git log --oneline ]
dquote> ]
[alasyazeweldi@alasyas-air git-assignment-practice % git commit -m "Added assignment.txt file" ]
[[main (root-commit) 49bb1ed] Added assignment.txt file ]
1 file changed, 1 insertion(+)
create mode 100644 assignment.txt
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:** what I did next was i pushed 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.

## Step 7/Last step: adding the pdf to my git hub

```
git-assignment-practice — zsh — 96x26
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 % cd ~/Documents/git-assignment-practice
alasyazeweldi@alasyas-air git-assignment-practice % cd ~/Documents/git-assignment-practice
alasyazeweldi@alasyas-air git-assignment-practice % ls
Git and GitHub Assignment (1).pdf      assignment.txt
alasyazeweldi@alasyas-air git-assignment-practice % git add "Git and GitHub Assignment (1).pdf"
fatal: pathspec 'Git and GitHub Assignment (1).pdf' did not match any files
alasyazeweldi@alasyas-air git-assignment-practice % git add "Git and GitHub Assignment (1).pdf"
alasyazeweldi@alasyas-air git-assignment-practice % git commit -m "Added assignment PDF for documentation"
[main 3c998d9] Added assignment PDF for documentation
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Git and GitHub Assignment (1).pdf
alasyazeweldi@alasyas-air git-assignment-practice % git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1.46 MiB | 7.36 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/az5922a/git-assignment-practice.git
 49bb1ed..3c998d9  main -> main
alasyazeweldi@alasyas-air git-assignment-practice %
```



**Description:** After navigating to my GitHub repository folder in my terminal, I first listed the files inside using `ls` to confirm that my updated PDF file was there. Initially, I ran `git add` with the filename, but it didn't match because of spaces in the name. To fix this, I enclosed the filename in quotation marks, which allowed Git to recognize it correctly. Then, I committed the change using `git commit -m "Added assignment PDF for documentation"` to save the update locally. Finally, I pushed the updated PDF to my GitHub repository using `git push origin main`, which successfully uploaded the file to GitHub.