

Git and GitHub Assignment  
Sydney Ball  
Data 413

URL: [https://github.com/sball32/git\\_clone\\_push\\_assignment.git](https://github.com/sball32/git_clone_push_assignment.git)

### Git clone: clone the repository to my terminal

```
(base) sydneyball@sydneys-mbp ~ % git clone git@github.com:sball32/git_clone_push_assignment.git

Cloning into 'git_clone_push_assignment'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (4/4), done.
(base) sydneyball@sydneys-mbp ~ %
```

### Navigate into the repository and see what is inside

```
[(base) sydneyball@sydneys-mbp ~ % cd git_clone_push_assignment
(base) sydneyball@sydneys-mbp git_clone_push_assignment % ls
README.md
(base) sydneyball@sydneys-mbp git_clone_push_assignment %
```

### Now I add something to the README.md file & the status is modified

```
(base) sydneyball@sydneys-mbp git_clone_push_assignment % cat README.md
[# git_clone_push_assignment] (base)
[] sydneyball@sydneys-mbp git_clone_push_assignment % echo "Add something to the document" > README.md
[(base) sydneyball@sydneys-mbp git_clone_push_assignment % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
(base) sydneyball@sydneys-mbp git_clone_push_assignment %
```

### Use git add to add modifications and ensure git status is green

```
[(base) sydneyball@sydneys-mbp git_clone_push_assignment % git add README.md
[(base) sydneyball@sydneys-mbp git_clone_push_assignment % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   README.md

(base) sydneyball@sydneys-mbp git_clone_push_assignment %
```

## Use git commit to begin moving the comment

```
[(base) sydneyball@sydney-mbp git_clone_push_assignment % git commit -m "My first comment"
[main 8c4284a] My first comment
Committer: Sydney Ball <sydneyball@sydney-mbp.american.edu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:
```

```
git config --global user.name "Your Name"
git config --global user.email you@example.com
```

After doing this, you may fix the identity used for this commit with:


```
git commit --amend --reset-author
```


```
1 file changed, 1 insertion(+), 1 deletion(-)
(base) sydneyball@sydney-mbp git_clone_push_assignment %
```


## Use git push to push the comment all the way through the repository


```
[(base) sydneyball@sydney-mbp git_clone_push_assignment % git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 10 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 325 bytes | 325.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:sball32/git_clone_push_assignment.git
9f51cf8..8c4284a main -> main
(base) sydneyball@sydney-mbp git_clone_push_assignment %
```


## Check that the comment is in the repository: we see that “My first comment” is in the repository

 **git\_clone\_push\_assignment** Public Pin Unwatch 1

 main


 1 Branch


 0 Tags

 t

Add file


<> Code

 **Sydney Ball** My first comment 8c4284a · 1 minute ago 2 Commits

 .gitignore



Initial commit

9 minutes ago

 README.md

My first comment

1 minute ago

 **README** 

Add something to the document

I ran the practice again using a new file which was not the README.md file to be sure that I followed directions. I started by creating the new file (touch newfile.txt), then I added to the file (cat "comment"), I then added that to the repo (cat newfile.txt). After adding, I check the status of the repo (git status). I had to do this twice because I at first used the wrong command. Then I committed the comment (git commit m- "new file, new comment"), then I pushed the new file and comment into the repo (git push).

```
[(base) sydneyball@sydney-s-mbp git_clone_push_assignment % touch newfile.txt
[(base) sydneyball@sydney-s-mbp git_clone_push_assignment % cat newfile.txt
[(base) sydneyball@sydney-s-mbp git_clone_push_assignment % echo "New file to add to" >> newfile.txt
[(base) sydneyball@sydney-s-mbp git_clone_push_assignment % git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
      newfile.txt

nothing added to commit but untracked files present (use "git add" to track)
[(base) sydneyball@sydney-s-mbp git_clone_push_assignment % git add newfile.txt
[(base) sydneyball@sydney-s-mbp git_clone_push_assignment % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
      new file:   newfile.txt

[(base) sydneyball@sydney-s-mbp git_clone_push_assignment % git commit -m "new file, new comment"
[main 4288bfe] new file, new comment
Committer: Sydney Ball <sydneyball@sydney-s-mbp.american.edu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:


    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author


1 file changed, 1 insertion(+)
create mode 100644 newfile.txt
[(base) sydneyball@sydney-s-mbp git_clone_push_assignment % git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 10 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 350 bytes | 350.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
```




Then I needed to check this new change in GitHub to see that everything was done correctly. And we see the newfile.txt appear with the new comment.


 **git\_clone\_push\_assignment** Public


Pin Unwatch 1

main 1 Branch 0 Tags  t Add file Code

 **Sydney Ball** new file, new comment 4288bfe · 3 minutes ago 3 Commits

 .gitignore	Initial commit	17 minutes ago
 README.md	My first comment	9 minutes ago
 newfile.txt	new file, new comment	3 minutes ago

 **README**



Add something to the document