

## Git and Github Assignment: Repository Creation, Cloning and Pushing Changes

Carson Cherniss

GitHub Repository URL: [https://github.com/carsonic/git\\_assignment\\_1](https://github.com/carsonic/git_assignment_1)

Steps:

1. Cloning to Local Machine using command git clone, ls (ls to check if clone command worked) and cd (cd to change directory to the repository):

```
ccher@TABLET-PG867GR6 MINGW64 ~
$ git clone git@github.com:carsonic/git_assignment_1.git
Cloning into 'git_assignment_1'...
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.

ccher@TABLET-PG867GR6 MINGW64 ~
$ ls
AppData/          Links/             NetHood@          SendTo@           git_hist.txt
'Application Data' 'Local Settings'@ OneDrive/         'Start Menu'@    miktex-console.lock
Contacts/         'Music/'           'OneDrive - american.edu'/ Templates@        ntuser.dat.LOG1
cookies/          'My Documents'@    PrintHood@        Videos/          ntuser.dat.LOG2
documents/        NTUSER.DAT         PycharmProjects/ Recent@           temp_bash/
Downloads/        NTUSER.DAT{377f2b5e-ae43-11ed-97bd-8296bab99173}.TM.btf TMContainer000000000000000000000001.regtrans-ms git.txt          test2/
Favorites/        NTUSER.DAT{377f2b5e-ae43-11ed-97bd-8296bab99173}.TM.container000000000000000000000002.regtrans-ms Searches/         git_assignment_1/ venv/
IntelGraphicsProfiles/

ccher@TABLET-PG867GR6 MINGW64 ~
$ cd git_assignment_1

ccher@TABLET-PG867GR6 MINGW64 ~/git_assignment_1 (main)
$ |
```

2. Adding a File using command echo to create a new file:

```
ccher@TABLET-PG867GR6 MINGW64 ~/git_assignment_1 (main)
$ echo "Hello" >> file1.txt

ccher@TABLET-PG867GR6 MINGW64 ~/git_assignment_1 (main)
$ ls
README.md  file1.txt
```

3. Staging Changes using command git add and git status:

```
ccher@TABLET-PG867GR6 MINGW64 ~/git_assignment_1 (main)
$ git add file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it

ccher@TABLET-PG867GR6 MINGW64 ~/git_assignment_1 (main)
$ 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:   file1.txt
```

4. Committing Changes using command git commit -m "commit message":

```
ccher@TABLET-PG867GR6 MINGW64 ~/git_assignment_1 (main)
$ git commit -m "Adding new file"
[main 2a11a19] Adding new file
1 file changed, 1 insertion(+)
create mode 100644 file1.txt
```

5. Pushing Changes using command git push and git status (status to check if the push command worked):

```
ccher@TABLET-PG867GR6 MINGW64 ~/git_assignment_1 (main)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 315 bytes | 157.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:carsonic/git_assignment_1.git
0a88a80..2a11a19  main -> main

ccher@TABLET-PG867GR6 MINGW64 ~/git_assignment_1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

6. Making Sure Changes Reflected in GitHub:

The screenshot shows the GitHub interface for a repository named 'git\_assignment\_1' by user 'carsonic'. The repository is public and has 1 branch (main) and 0 tags. The main branch is selected. The repository contains 2 commits. The commit history shows:

File	Commit Message	Time
.gitignore	Initial commit	12 minutes ago
README.md	Initial commit	12 minutes ago
file1.txt	Adding new file	4 minutes ago

The README file is open, showing the title 'git\_assignment\_1'. The right sidebar shows the repository's metadata, including 0 stars, 1 watching, and 0 forks. The 'Releases' and 'Packages' sections show no published items.