

I had a lot of errors while following the instruction so I broke it into steps.  
In a case where I need to prove my steps with the full screenshot, I have also attached the full screenshot at the end.

## 1. Git clone

```
PowerShell 7 (x64)
PowerShell 7.2.5
Copyright (c) Microsoft Corporation.

https://aka.ms/powershell
Type 'help' to get help.

PS C:\Users\a5013> git clone https://github.com/DouHoonKwark/CSE110.git
Cloning into 'CSE110'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

## 2. Git cd, branch, and checkout

```
PS C:\Users\a5013> cd CSE110
PS C:\Users\a5013\CSE110> ls

Directory: C:\Users\a5013\CSE110

Mode                LastWriteTime         Length Name
----                -
-a---              9/25/2022  4:44 PM             8 README.md

PS C:\Users\a5013\CSE110> git branch add-read-me
PS C:\Users\a5013\CSE110> ls

Directory: C:\Users\a5013\CSE110

Mode                LastWriteTime         Length Name
----                -
-a---              9/25/2022  4:44 PM             8 README.md

PS C:\Users\a5013\CSE110> git branch -a
add-read-me
* main
remotes/origin/HEAD -> origin/main
remotes/origin/main

PS C:\Users\a5013\CSE110> git checkout add-read-me
Switched to branch 'add-read-me'
```

3, 4. Add text using notepad and git add

```
PS C:\Users\a5013\CSE110> notepad README.md
PS C:\Users\a5013\CSE110> git add README.md
```

5. Git commit

```
PS C:\Users\a5013\CSE110> git commit -m "Update readme file"
[add-read-me 5d89057] Update readme file
1 file changed, 1 insertion(+), 1 deletion(-)
```

6. Git push

```
PS C:\Users\a5013\CSE110> git push --set-upstream origin add-read-me
Username for 'https://github.com': DouHoonKwark
Password for 'https://DouHoonKwark@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 264 bytes | 264.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'add-read-me' on GitHub by visiting:
remote:   https://github.com/DouHoonKwark/CSE110/pull/new/add-read-me
remote:
To https://github.com/DouHoonKwark/CSE110.git
 * [new branch]      add-read-me -> add-read-me
branch 'add-read-me' set up to track 'origin/add-read-me'.
PS C:\Users\a5013\CSE110>
```

## The full picture

```
PowerShell 7 (x64)
PowerShell 7.2.5
Copyright (c) Microsoft Corporation.

https://aka.ms/powershell
Type 'help' to get help.

PS C:\Users\A5013> git clone https://github.com/DouHoonKwark/CSE110.git
Cloning into 'CSE110'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
PS C:\Users\A5013> ls

Directory: C:\Users\A5013

Mode                LastWriteTime         Length Name
----                -
d-----          7/7/2022   7:29 PM             .conda
d-----       12/29/2021   6:54 PM             .continuum
d-----          7/7/2022   3:36 PM             .ipynb_checkpoints
d-----       12/29/2021   6:58 PM             .ipython
d-----          2/8/2022   8:27 PM             .jupyter
d-----          2/8/2022   3:10 AM             .keras
d-----       12/29/2021   6:58 PM             .matplotlib
d-----       12/29/2021   7:01 PM             .spyder-py3
d-----          10/9/2021   8:12 PM             .ssh
d-----          10/9/2021   7:44 PM             .vscode
d-r-----          5/24/2021   2:56 AM             3D Objects
d-----          7/7/2022   6:31 PM             Anaconda3
d-r-----          2/3/2022   7:52 AM             Contacts
d-----          7/7/2022   3:46 PM             course 1
d-----          9/25/2022   4:44 PM             CSE110
d-----          7/10/2022   6:31 PM             dissect
d-----          2/10/2022   6:18 PM             Documents
d-r-----          9/25/2022   2:32 PM             Downloads
d-----          9/22/2022  11:34 PM             ELibrary
d-r-----          2/3/2022   7:52 AM             Favorites
d-----       12/29/2021   7:00 PM             Jedi
d-r-----          2/3/2022   7:52 AM             Links
d-r-----          2/3/2022   7:52 AM             Music
d-----          7/10/2022   6:37 PM             NetDissect
lar-----          9/25/2022  10:55 AM             OneDrive
d-r-----          2/3/2022   7:52 AM             Saved Games
d-----          2/26/2022   8:11 AM             seaborn-data
d-r-----          2/3/2022   7:52 AM             Searches
d-----          9/21/2021   8:16 PM             source
d-----       11/13/2021  10:56 AM             Tracing
d-----          7/7/2022   3:46 PM             Untitled Folder 1
d-----          7/7/2022   3:46 PM             Untitled Folder 2
d-----          5/17/2022   3:07 AM             vcpkg
d-----          7/7/2022   4:37 PM             venv
d-r-----          2/3/2022   7:52 AM             Videos
-a-----          7/10/2022   6:40 PM             3042 .bash_history
-a-----       12/29/2021   6:54 PM             25 .condarc
-a-----          1/8/2022   1:06 AM             179 .gitconfig
-a-----          10/14/2021  11:09 PM             4733 calc.c
-a-----          2/9/2022   9:10 AM             15275600 chromedriver
-a-----          2/22/2022   9:03 PM             206807 COGS118B_A5.ipynb
-a-----          3/11/2022   2:13 AM             9298 COGS118B_HW6-Copy1.ipynb
-a-----          3/11/2022   2:24 AM             9364 COGS118B_HW6.ipynb
-a-----          10/14/2021  11:09 PM             4122 main.c
-a-----          7/7/2022   3:36 PM             248 people-example.csv
-a-----          4/21/2022  10:33 PM             4754 regular expression.ipynb
-a-----          2/9/2022   9:49 AM             20033 scrapping_1-Copy1.ipynb
-a-----          2/9/2022   9:28 AM             20033 scrapping_1.ipynb
-a-----          5/11/2022   1:20 PM             730 Sti_Trace.log
-a-----          10/10/2021   6:16 AM             1019 trimmer.c
-a-----          7/7/2022   3:38 PM             5887 Turi Getting Started with SFrames.ipynb
-a-----          2/9/2022  12:38 PM             11436 Untitled.ipynb
-a-----          3/6/2022   2:37 AM             72 Untitled1.ipynb
-a-----          5/17/2022   2:17 AM             15703 Untitled2.ipynb
-a-----          5/17/2022   7:39 PM             1809 Untitled3.ipynb
-a-----          7/7/2022   3:36 PM             1825 Untitled4.ipynb

PS C:\Users\A5013> cd CSE110
PS C:\Users\A5013\CSE110> ls

Directory: C:\Users\A5013\CSE110
```

```

PowerShell 7 (x64)
PS C:\Users\A5013\CSE110> git branch add-read-me
PS C:\Users\A5013\CSE110> ls

Directory: C:\Users\A5013\CSE110

Mode                LastWriteTime         Length Name
----                -
-a---             9/25/2022  4:44 PM              8 README.md

PS C:\Users\A5013\CSE110> git branch -a
add-read-me
* main
remotes/origin/HEAD -> origin/main
remotes/origin/main
PS C:\Users\A5013\CSE110> git checkout add-read-me
Switched to branch 'add-read-me'
PS C:\Users\A5013\CSE110> ls

Directory: C:\Users\A5013\CSE110

Mode                LastWriteTime         Length Name
----                -
-a---             9/25/2022  4:44 PM              8 README.md

PS C:\Users\A5013\CSE110> vim README.md
vim: The term 'vim' is not recognized as a name of a cmdlet, function, script file, or executable program.
Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
PS C:\Users\A5013\CSE110> cat README.md
# CSE110
PS C:\Users\A5013\CSE110> sudo nano README.md
sudo: The term 'sudo' is not recognized as a name of a cmdlet, function, script file, or executable program.
Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
PS C:\Users\A5013\CSE110> sudo gedit README.md
sudo: The term 'sudo' is not recognized as a name of a cmdlet, function, script file, or executable program.
Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
PS C:\Users\A5013\CSE110> vi README.md
vi: The term 'vi' is not recognized as a name of a cmdlet, function, script file, or executable program.
Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
PS C:\Users\A5013\CSE110> sudo README.md
sudo: The term 'sudo' is not recognized as a name of a cmdlet, function, script file, or executable program.
Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
PS C:\Users\A5013\CSE110> notepad README.md
PS C:\Users\A5013\CSE110> git add README.md
PS C:\Users\A5013\CSE110> notepad README.md
PS C:\Users\A5013\CSE110> git add README.md
PS C:\Users\A5013\CSE110> git commit "Update readme file"
error: pathspec 'Update readme file' did not match any file(s) known to git
PS C:\Users\A5013\CSE110> git commit -m "Update readme file"
[add-read-me 5d89057] Update readme file
 1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\A5013\CSE110> git branch --set-upstream-to
error: option 'set-upstream-to' requires a value
PS C:\Users\A5013\CSE110> git push --set-upstream origin CSE110
error: src refspec CSE110 does not match any
error: failed to push some refs to 'https://github.com/DouHoonKwark/CSE110.git'
PS C:\Users\A5013\CSE110> git push origin CSE110
error: src refspec CSE110 does not match any
error: failed to push some refs to 'https://github.com/DouHoonKwark/CSE110.git'
PS C:\Users\A5013\CSE110> git push origin/main CSE110
error: src refspec CSE110 does not match any
error: failed to push some refs to 'origin/main'
PS C:\Users\A5013\CSE110> git branch -b
error: unknown switch '-b'
usage: git branch [<options>] [-r | -a] [--merged] [--no-merged]
or: git branch [<options>] [-f] [--recurse-submodules] <branch-name> [<start-point>]
or: git branch [<options>] [-l] [<pattern>...]
or: git branch [<options>] [-r] (-d | -D) <branch-name>...
or: git branch [<options>] (-m | -M) [<old-branch>] <new-branch>
or: git branch [<options>] (-c | -C) [<old-branch>] <new-branch>
or: git branch [<options>] [-r | -a] [--points-at]
or: git branch [<options>] [-r | -a] [--format]

Generic options
-v, --verbose          show hash and subject, give twice for upstream branch
-q, --quiet            suppress informational messages
-t, --track[=(direct|inherit)]
                        set branch tracking configuration
-u, --set-upstream-to <upstream>
                        change the upstream info

```

```

PowerShell 7 (x64)


-t, --track[=(direct|inherit)]
    set branch tracking configuration
-u, --set-upstream-to <upstream>
    change the upstream info
--unset-upstream
    unset the upstream info
--color[=<when>]
    use colored output
-r, --remotes
    act on remote-tracking branches
--contains <commit>
    print only branches that contain the commit
--no-contains <commit>
    print only branches that don't contain the commit
--abbrev[=<n>]
    use <n> digits to display object names

Specific git-branch actions:
-a, --all
    list both remote-tracking and local branches
-d, --delete
    delete fully merged branch
-D
    delete branch (even if not merged)
-m, --move
    move/rename a branch and its reflog
-M
    move/rename a branch, even if target exists
-c, --copy
    copy a branch and its reflog
-C
    copy a branch, even if target exists
-l, --list
    list branch names
--show-current
    show current branch name
--create-reflog
    create the branch's reflog
--edit-description
    edit the description for the branch
-f, --force
    force creation, move/rename, deletion
--merged <commit>
    print only branches that are merged
--no-merged <commit>
    print only branches that are not merged
--column[=<style>]
    list branches in columns
--sort <key>
    field name to sort on
--points-at <object>
    print only branches of the object
-i, --ignore-case
    sorting and filtering are case insensitive
--recurse-submodules
    recurse through submodules
--format <format>
    format to use for the output

PS C:\Users\A5013\CSE110> git branch
* add-read-me
main
PS C:\Users\A5013\CSE110> git --set-upstream origin add-read-me
unknown option: --set-upstream
usage: git [--version] [--help] [-C <path>] [-C <name>=<value>]
    [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
    [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
    [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
    [--super-prefix=<path>] [--config-env=<name>=<envvar>]
    <command> [<args>]

PS C:\Users\A5013\CSE110> git push --set-upstream origin add-read-me
Username for 'https://github.com': DouHoonKwark
Password for 'https://DouHoonKwark@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls
for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/DouHoonKwark/CSE110.git/'
PS C:\Users\A5013\CSE110> git push origin add-read-me
Username for 'https://github.com': DouHoonKwark
Password for 'https://DouHoonKwark@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls
for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/DouHoonKwark/CSE110.git/'
PS C:\Users\A5013\CSE110> git push origin add-read-me
Username for 'https://github.com': DouHoonKwark
Password for 'https://DouHoonKwark@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/DouHoonKwark/CSE110.git/'
PS C:\Users\A5013\CSE110> git push --set-upstream origin add-read-me
Username for 'https://github.com': DouHoonKwark
Password for 'https://DouHoonKwark@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 264 bytes | 264.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:

```

 PowerShell 7 (x64)

```
Counting objects: 100% (5/5), done.  
Writing objects: 100% (3/3), 264 bytes | 264.00 KiB/s, done.  
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
remote:  
remote: Create a pull request for 'add-read-me' on GitHub by visiting:  
remote:      https://github.com/DouHoonKwark/CSE110/pull/new/add-read-me  
remote:  
To https://github.com/DouHoonKwark/CSE110.git  
* [new branch]      add-read-me -> add-read-me  
branch 'add-read-me' set up to track 'origin/add-read-me'.  
PS C:\Users\a5013\CSE110>
```