

GitHub and GitHub Assignment

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GitHub Repository URL:

<https://github.com/rmtanona/homework>

Commands and screenshots:

1. Here is the cloning of the github repository to my local computer, and changing directory into the repository file.

```
ronantanona@ronans-laptop ~ % git clone git@github.com:rmtanona/homework.git
Cloning into 'homework'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
ronantanona@ronans-laptop ~ % ls
Desktop    Downloads  Exam1.html  Movies      Pictures    Ronan      copy_file1.txt  git_hist.txt  install.sh  test
Documents  Exam1.Rmd  Library     Music       Public      Zotero     datascience    homework     temp_bash
ronantanona@ronans-laptop ~ % cd homework
ronantanona@ronans-laptop homework % touch file.txt
```

2. Here is the creation of a file to demonstrate the git add, commit, and push commands with. Additionally, it shows the creation of a sub-folder/directory within the “homework” repository for this first assignment. I moved the file.txt file into this sub-folder.

```
ronantanona@ronans-laptop homework % touch file.txt
ronantanona@ronans-laptop homework % echo "Here is the file I will use to demonstrate my mastery of the git add, commit, and push commands" >> file.txt
ronantanona@ronans-laptop homework % cat file.txt
Here is the file I will use to demonstrate my mastery of the git add, commit, and push commands
ronantanona@ronans-laptop homework % mkdir github_hw_1
ronantanona@ronans-laptop homework % ls
README.md  file.txt  github_hw_1
ronantanona@ronans-laptop homework % mv file.txt github_hw_1
ronantanona@ronans-laptop homework % ls
README.md  github_hw_1
ronantanona@ronans-laptop homework % cd github_hw_1
```

3. Here is me using the git add command to stage this file, and then the git status command to show its success.

```
ronantanona@ronans-laptop github_hw_1 % git add file.txt
ronantanona@ronans-laptop github_hw_1 % 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:   file.txt
```

4. Here is me using the git commit command, and git status to check its success.

```
ronantanona@ronans-laptop github_hw_1 % git commit file.txt
[main 976ff91] File to demonstrate git commands
1 file changed, 1 insertion(+)
create mode 100644 github_hw_1/file.txt
ronantanona@ronans-laptop github_hw_1 % git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
```

5. Shown below is me using the git push command to publish these changes into the repository, as accessed in github.

```
ronantanona@ronans-laptop github_hw_1 % git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 412 bytes | 412.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:rmtanona/homework.git
365ccc2..976ff91 main -> main
ronantanona@ronans-laptop github_hw_1 %
```

Note: This PDF will also be uploaded to the GitHub Repository