

D197 - Version Control Template

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Version Control – D197

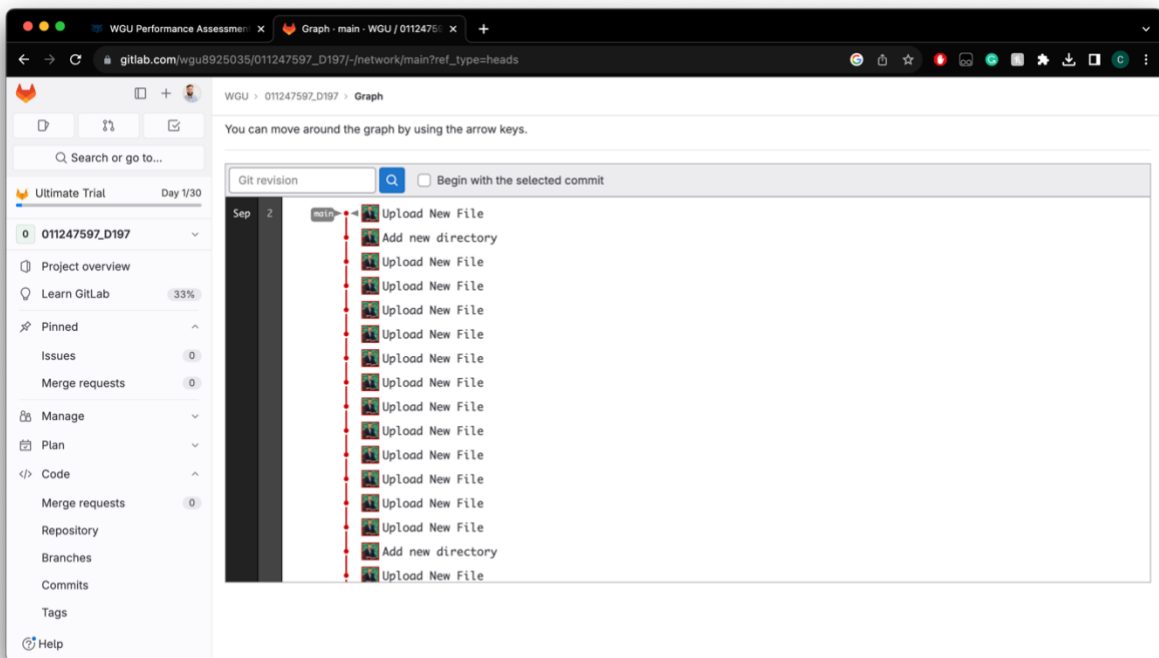
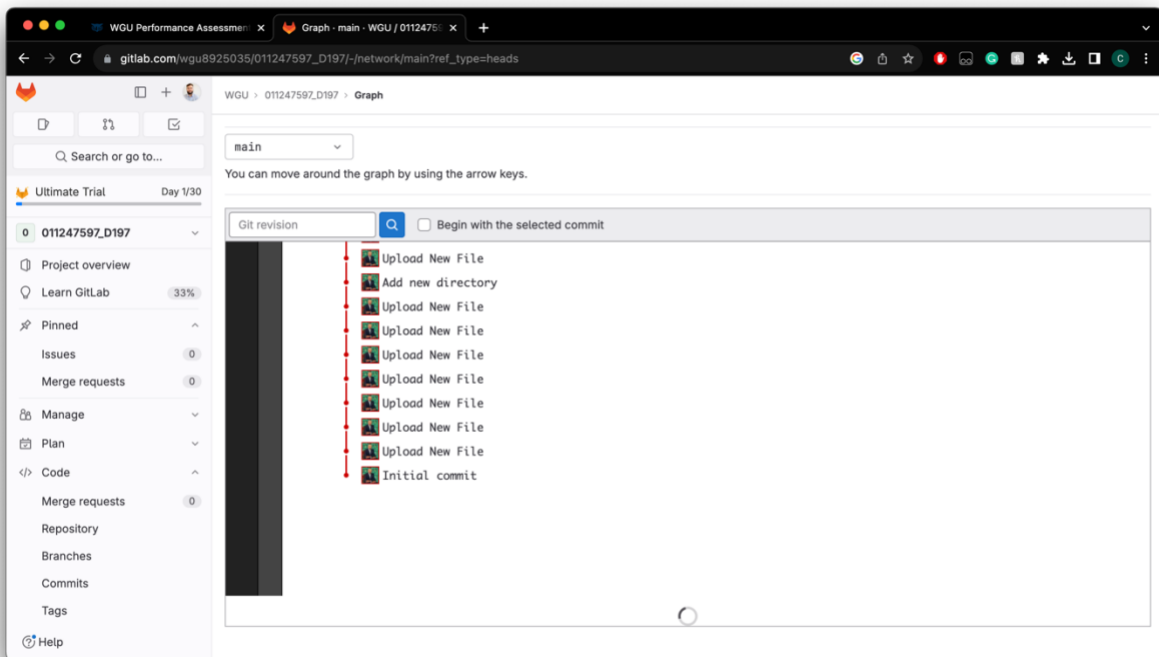
9/2/2023

Step A Screenshot

Below is a screenshot of the current repository graph in Gitlab after completing the steps in A:

Uploaded all files individually from WGU-Hub.

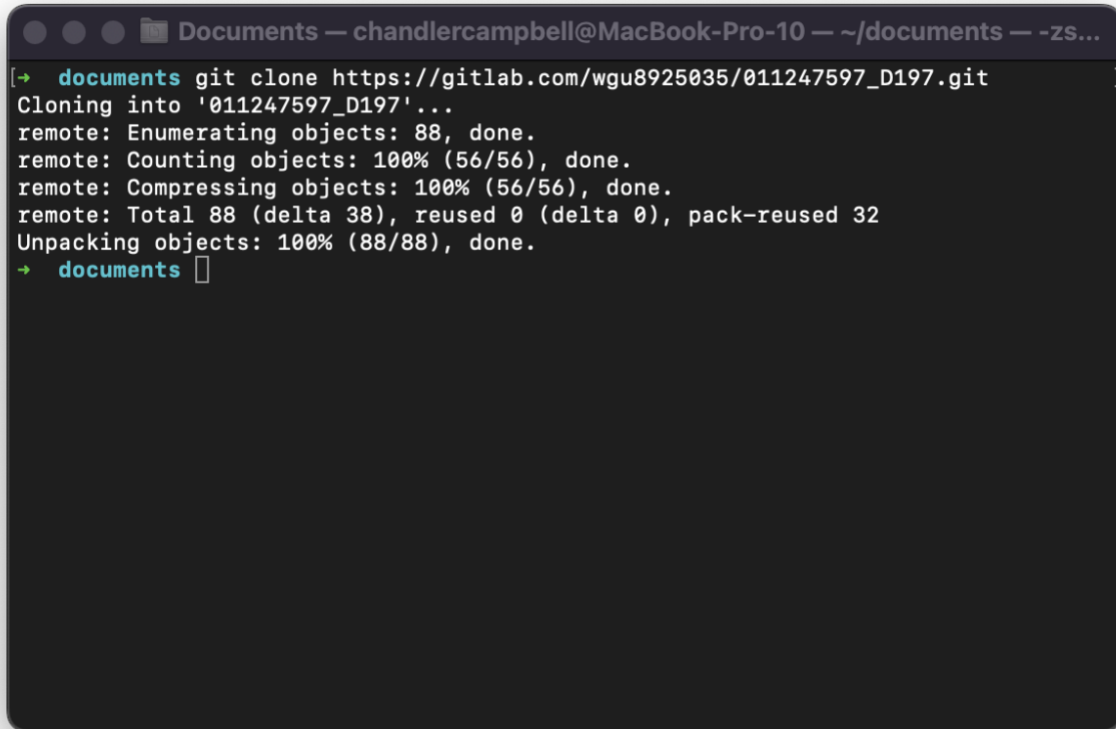
Note: This graph features my old profile picture. The subsequent graphs will have my new profile picture.



Step B Screenshot

Below is a screenshot of the command line action after completing the steps in B:

Downloading the repository onto my local hard drive.

A terminal window with a dark background and light text. The title bar at the top reads "Documents — chandlercampbell@MacBook-Pro-10 — ~/documents — -zs...". The terminal shows a command prompt with a green arrow pointing to the word "documents". The command entered is "git clone https://gitlab.com/wgu8925035/011247597_D197.git". The output shows the cloning process: "Cloning into '011247597_D197'...", "remote: Enumerating objects: 88, done.", "remote: Counting objects: 100% (56/56), done.", "remote: Compressing objects: 100% (56/56), done.", "remote: Total 88 (delta 38), reused 0 (delta 0), pack-reused 32", and "Unpacking objects: 100% (88/88), done.". The prompt returns to the green arrow and "documents" with a cursor.

```
[→ documents git clone https://gitlab.com/wgu8925035/011247597_D197.git ]
Cloning into '011247597_D197'...
remote: Enumerating objects: 88, done.
remote: Counting objects: 100% (56/56), done.
remote: Compressing objects: 100% (56/56), done.
remote: Total 88 (delta 38), reused 0 (delta 0), pack-reused 32
Unpacking objects: 100% (88/88), done.
→ documents
```

Step C Screenshot

Below is a screenshot for each git command for each change made to the HTML files after completing the steps in C:

Each change added a comment at the top, using the name of the file in the comment. Therefore, I used the same commit message for each commit.

```
011247597_D197 — chandlercampbell@MacBook-Pro-10 — ..11247597_D...
[→ 011247597_D197 git:(main) 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 checkout -- <file>..." to discard changes in working directory)

        modified:   about.html
        modified:   index.html
        modified:   vision.html

no changes added to commit (use "git add" and/or "git commit -a")
[→ 011247597_D197 git:(main) * git add about.html ]
[→ 011247597_D197 git:(main) * git commit -m "Adds a comment to top of file" ]
[main 7c192ae] Adds a comment to top of file
1 file changed, 2 insertions(+)
→ 011247597_D197 git:(main) * █
```

```
011247597_D197 — chandlercampbell@MacBook-Pro-10 — ..11247597_D...
[→ 011247597_D197 git:(main) 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 checkout -- <file>..." to discard changes in working directory)

        modified:   about.html
        modified:   index.html
        modified:   vision.html

no changes added to commit (use "git add" and/or "git commit -a")
[→ 011247597_D197 git:(main) * git add about.html ]
[→ 011247597_D197 git:(main) * git commit -m "Adds a comment to top of file" ]
[main 7c192ae] Adds a comment to top of file
1 file changed, 2 insertions(+)
[→ 011247597_D197 git:(main) * git add index.html ]
[→ 011247597_D197 git:(main) * git commit -m "Adds a comment to top of file" ]
[main bd6d234] Adds a comment to top of file
1 file changed, 2 insertions(+)
→ 011247597_D197 git:(main) * █
```

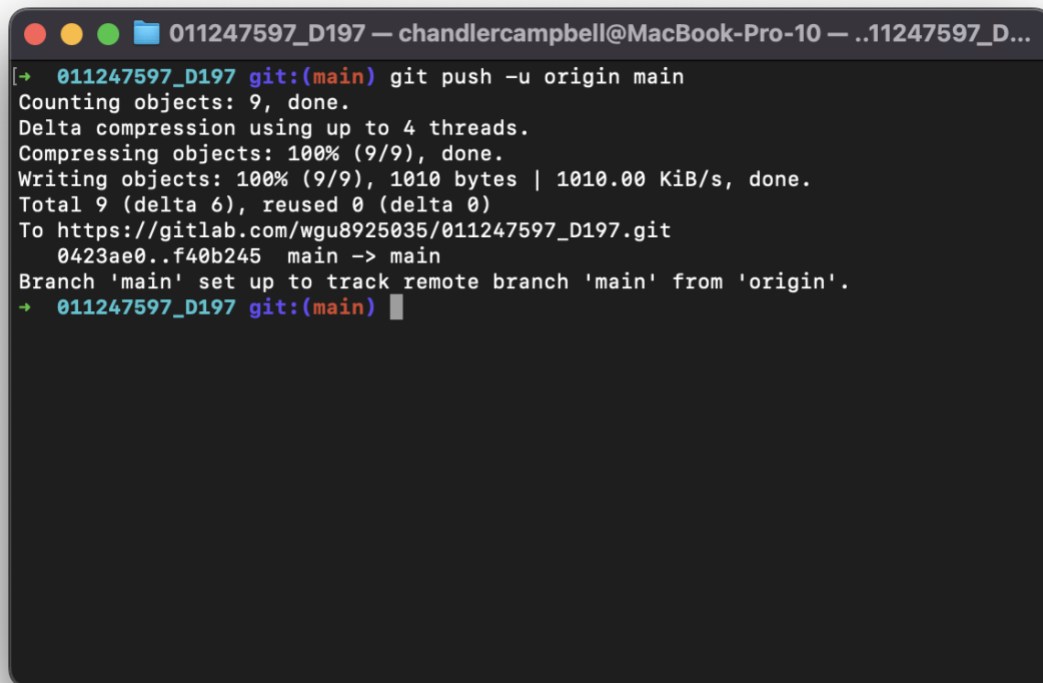
```
011247597_D197 — chandlercampbell@MacBook-Pro-10 — ..11247597_D...
Your branch is up to date with 'origin/main'.

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

       modified:   about.html
       modified:   index.html
       modified:   vision.html

no changes added to commit (use "git add" and/or "git commit -a")
[→ 011247597_D197 git:(main) ✕ git add about.html ]
[→ 011247597_D197 git:(main) ✕ git commit -m "Adds a comment to top of file" ]
[main 7c192ae] Adds a comment to top of file
 1 file changed, 2 insertions(+)
[→ 011247597_D197 git:(main) ✕ git add index.html ]
[→ 011247597_D197 git:(main) ✕ git commit -m "Adds a comment to top of file" ]
[main bd6d234] Adds a comment to top of file
 1 file changed, 2 insertions(+)
[→ 011247597_D197 git:(main) ✕ git add vision.html ]
[→ 011247597_D197 git:(main) ✕ git commit -m "Adds a comment to top of file" ]
[main f40b245] Adds a comment to top of file
 1 file changed, 2 insertions(+)
→ 011247597_D197 git:(main) █
```

Below is a screenshot of the command line action after completing the steps in C:
Pushes the changes to the remote repository.

A terminal window with a dark background and light text. The title bar shows a folder icon, the text '011247597_D197', and the user 'chandlercampbell@MacBook-Pro-10'. The terminal content shows the execution of 'git push -u origin main' and its output, including object counting, compression, and pushing to a GitLab repository. The prompt returns to 'git:(main)' after the push is complete.

```
011247597_D197 — chandlercampbell@MacBook-Pro-10 — ..11247597_D...
[→ 011247597_D197 git:(main) git push -u origin main ]
Counting objects: 9, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 1010 bytes | 1010.00 KiB/s, done.
Total 9 (delta 6), reused 0 (delta 0)
To https://gitlab.com/wgu8925035/011247597_D197.git
   0423ae0..f40b245  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
→ 011247597_D197 git:(main) █
```

Step D Two Screenshots

Below is a screenshot of the command line action after completing the steps in D:

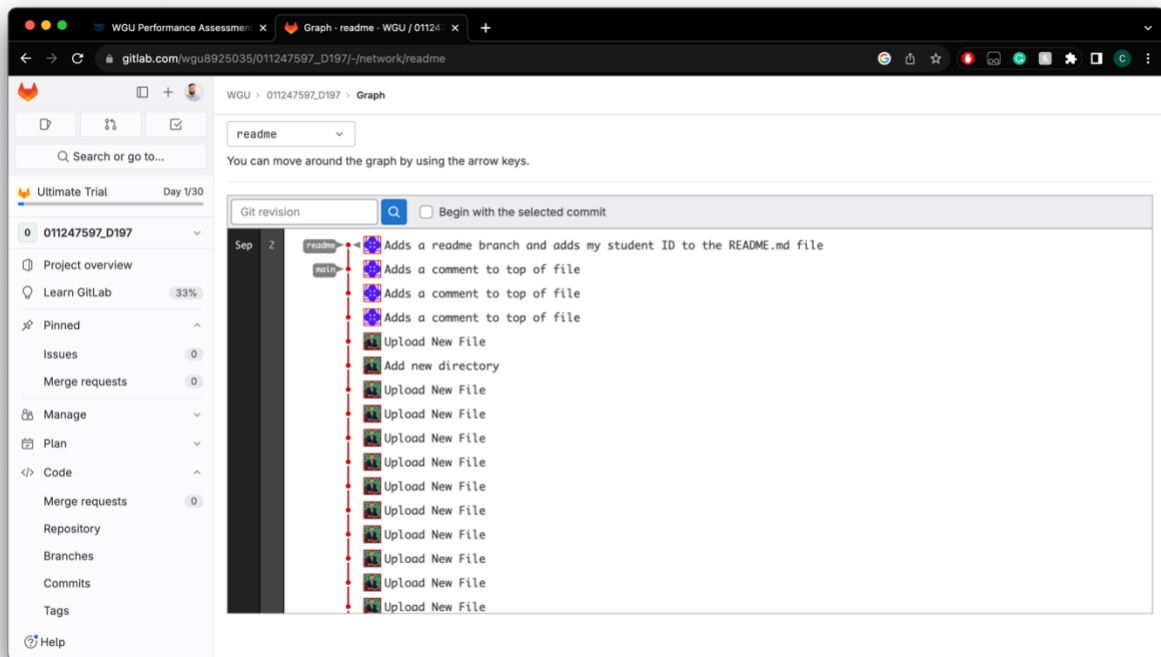
Creates readme branch and updates README.md file.

Note: I had to restart this step so that is why it says there were 92 deletions.

```
011247597_D197 — chandlercampbell@MacBook-Pro-10 — ..11247597_D...
[→ 011247597_D197 git:(main) * git branch readme ]
[→ 011247597_D197 git:(main) * echo "Student ID: 011247597" > README.md ]
[→ 011247597_D197 git:(main) * git commit -am "Adds a readme branch and adds my ]
student ID to the README.md file"
[main 324fcb2] Adds a readme branch and adds my student ID to the README.md file
1 file changed, 1 insertion(+), 92 deletions(-)
rewrite README.md (100%)
[→ 011247597_D197 git:(main) git push -u origin readme ]
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: To create a merge request for readme, visit:
remote: https://gitlab.com/wgu8925035/011247597_D197/-/merge_requests/new?merge_request%5Bsource_branch%5D=readme
remote:
To https://gitlab.com/wgu8925035/011247597_D197.git
* [new branch]      readme -> readme
Branch 'readme' set up to track remote branch 'readme' from 'origin'.
→ 011247597_D197 git:(main) █
```

Below is a screenshot of the current repository graph in Gitlab after completing the steps in D:

As you can see, the main branch is one commit behind the readme branch.



Step E Two Screenshots

Below is a screenshot that demonstrates the conflict of a merge command line action after completing the steps in E:

Creates the merge conflict in the README.md file using the main and readme branches.

Note: I had to repeat this process as well, so it says I am ahead of origin/main by 4 commits.

```
011247597_D197 — chandlercampbell@MacBook-Pro-10 — ..11247597_D197 — -zsh — 107x39
➔ 011247597_D197 git:(main) git status
On branch main
Your branch is ahead of 'origin/main' by 4 commits.
  (use "git push" to publish your local commits)

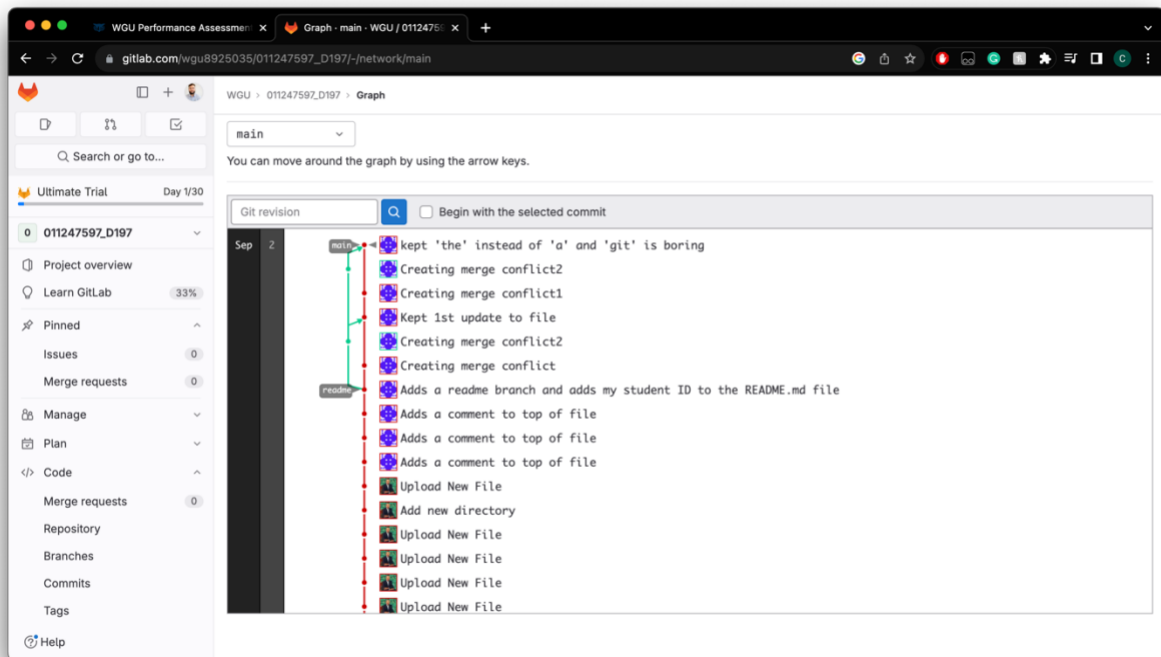
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
➔ 011247597_D197 git:(main) * git commit -am "Creating merge conflict1"
[main ba7e8b9] Creating merge conflict1
 1 file changed, 2 insertions(+), 2 deletions(-)
➔ 011247597_D197 git:(main) git checkout readme
Switched to branch 'readme'
Your branch is ahead of 'origin/readme' by 1 commit.
  (use "git push" to publish your local commits)
➔ 011247597_D197 git:(readme) git checkout main
error: Your local changes to the following files would be overwritten by checkout:
      README.md
Please commit your changes or stash them before you switch branches.
Aborting
➔ 011247597_D197 git:(readme) * git commit -am "Creating merge conflict2"
[readme a33de96] Creating merge conflict2
 1 file changed, 2 insertions(+), 2 deletions(-)
➔ 011247597_D197 git:(readme) git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 5 commits.
  (use "git push" to publish your local commits)
➔ 011247597_D197 git:(main) git merge readme
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
➔ 011247597_D197 git:(main) * vi README.md
➔ 011247597_D197 git:(main) * git commit -am "kept 'the' instead of 'a' and 'git' is boring"
[main 7c2bd32] kept 'the' instead of 'a' and 'git' is boring
➔ 011247597_D197 git:(main) █
```

Below is a screenshot of the current repository graph in Gitlab after completing the steps in E:

As a reminder, I had to repeat the steps to create a merge conflict, which is why you are seeing repeated commits in the graph.



Step F Two Screenshots

Below is a screenshot of the command line action after completing the steps in F:

Adds a tag to the main branch.

```
011247597_D197 — chandlercampbell@MacBook-Pro-10 — ..11247597_D197 — -zsh — 107x39
[+] 011247597_D197 git:(main) git tag -a "V.1.0.0" -m "Added tag V.1.0.0"
[+] 011247597_D197 git:(main) git push origin V.1.0.0
Counting objects: 1, done.
Writing objects: 100% (1/1), 165 bytes | 165.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0)
To https://gitlab.com/wgu8925035/011247597_D197.git
 * [new tag]          V.1.0.0 -> V.1.0.0
+ 011247597_D197 git:(main) █
```

Below is a screenshot of the current repository graph in Gitlab after completing the steps in F:

Note: I had to repeat some steps above which is why you are seeing repeated commits.

