

D197 - Version Control

Step A Screenshot

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

The screenshot shows a GitLab repository named "Working". The repository is public and contains one branch ("main") and one tag ("0 Tags"). There is one commit from user "dedos194" titled "Initial commit" (commit hash: 657da2a, timestamp: now). The commit includes a file named "README.md" with the content "Initial commit". On the right side of the interface, there are navigation links for "No", "Rel", and "No", along with a "Create" button.

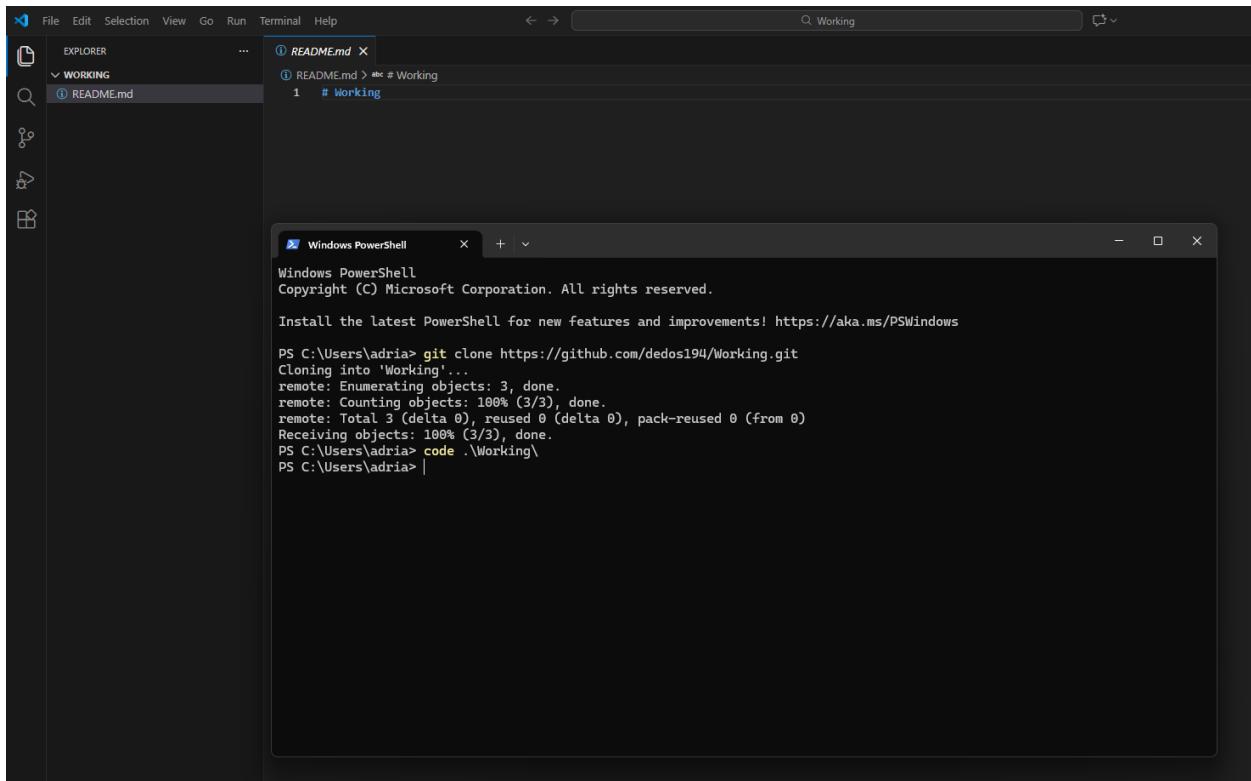
The screenshot shows the VS Code interface with the "Working" repository loaded. The Explorer sidebar shows a folder named "WORKING" containing a file named "README.md". The main editor area is currently empty, showing the title "Working".

Comment: Created the first repository in GitLab named Working.

Step B Screenshot

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

Comment: I cloned the link from GitHub using the command line, transferring it to the code.



The screenshot shows a dark-themed IDE or terminal environment. In the top left, there's a navigation bar with 'File', 'Edit', 'Selection', 'View', 'Go', 'Run', 'Terminal', and 'Help'. To the right is a search bar with the placeholder 'Working'. Below the navigation bar is an 'EXPLORER' sidebar with a tree view. Under the 'WORKING' node, there is a single item: 'READMEemd'. The main area contains a terminal window titled 'Windows PowerShell'. The terminal output shows the following command and its execution:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\adria> git clone https://github.com/dedos194/Working.git
Cloning into 'Working'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
PS C:\Users\adria> code .\Working\
PS C:\Users\adria>
```

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:

A screenshot of a GitHub commit page for a file named 'Example.txt'. The commit was made by 'dedos194' with the message 'Update Example.txt'. The commit hash is '33a4836 · now'. The commit details show 7 lines (4 loc) with 173 Bytes. The code editor shows the following text:

```
1 This is a example
2
3 This is for testing if it functions properly
4
5 This is for to understand and keep track of different texts.
6
7 This is for the conclusion that it functions.
```

Comment: The written text was made from the command line.

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

The screenshot shows a Visual Studio Code interface. At the top, there are three tabs: 'README.md', 'Example.txt', and 'example.md'. The 'Example.txt' tab is active, displaying the following text:

```
1 This is a example
2
3 This is for testing if it functions properly.
4
5 This is for to understand and keep track of different texts.
6
7 This is for the conclusion that it functions.
```

Below the code editor is a terminal window titled 'powershell - Working - Visual Studio Code'. It contains a series of git commands and their outputs:

```
PS C:\Users\adria\Working> git add .
PS C:\Users\adria\Working> git commit -m "adding text as a test for function properly"
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\adria\Working> git diff
PS C:\Users\adria\Working> git add .
PS C:\Users\adria\Working> git commit -m "This is for testing if it functions properly"
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\adria\Working> git diff
PS C:\Users\adria\Working> git add .
PS C:\Users\adria\Working> git commit -m "This is for to understand and keep track of different texts."
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\adria\Working> git add .
PS C:\Users\adria\Working> git commit -m "This is for the conclusion that it functions."
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\adria\Working> git add .
PS C:\Users\adria\Working> git diff --cached
PS C:\Users\adria\Working>
```

Comment: Added text inside a text file used for giving a message for each of the three HTML files.

Step D Two Screenshots

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

```

File Edit Selection View Go Run Terminal Help
README.md Example.txt example.md
① README.md > # Student ID: 012766325
1 # Working
2
3 # Student ID: 012766325

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell + x - x

PS C:\Users\adria\Working> git checkout -b Test
Switched to a new branch 'Test'
PS C:\Users\adria\Working> git branch
* Test
  main

PS C:\Users\adria\Working> nano Read.md
nano: The term 'name' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ nano Read.md
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (nano:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\adria\Working> Student ID: YOUR_STUDENT_ID
Student : The term 'Student' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ Student ID: YOUR_STUDENT_ID
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (Student:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\adria\Working> git push
fatal: The current branch Test has no upstream branch.
To push the current branch and set the remote as upstream, use
git push --set-upstream origin Test

To have this happen automatically for branches without a tracking
upstream, see "push.autoSetupRemote" in "git help config".

PS C:\Users\adria\Working> git push --set-upstream origin Test
branch 'Test' set up to track 'origin/Test'.
Everything up-to-date
PS C:\Users\adria\Working> git status
On branch Test
Your branch is up to date with 'origin/Test'.

nothing to commit, working tree clean
PS C:\Users\adria\Working>

```

Ln 3, Col 24 Spaces: 4 UTF-8 CRLF {} Markdown

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

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Type to search

Pin Watch 0 Fork 0 Star 0

dedos194 / Working

Test 2 Branches 0 Tags Go to file Add file About

This branch is 1 commit behind main.

dedos194 Update README.md b678800 · 2 minutes ago 4 Commits

Example.txt add stuff last week

README.md Update README.md 2 minutes ago

example.md adds example.md yesterday

README

Working

Student ID: 012766325

About

No description, website, or topics provided.

Readme

Activity

0 stars 0 watching 0 forks

Releases

No releases published Create a new release

Packages

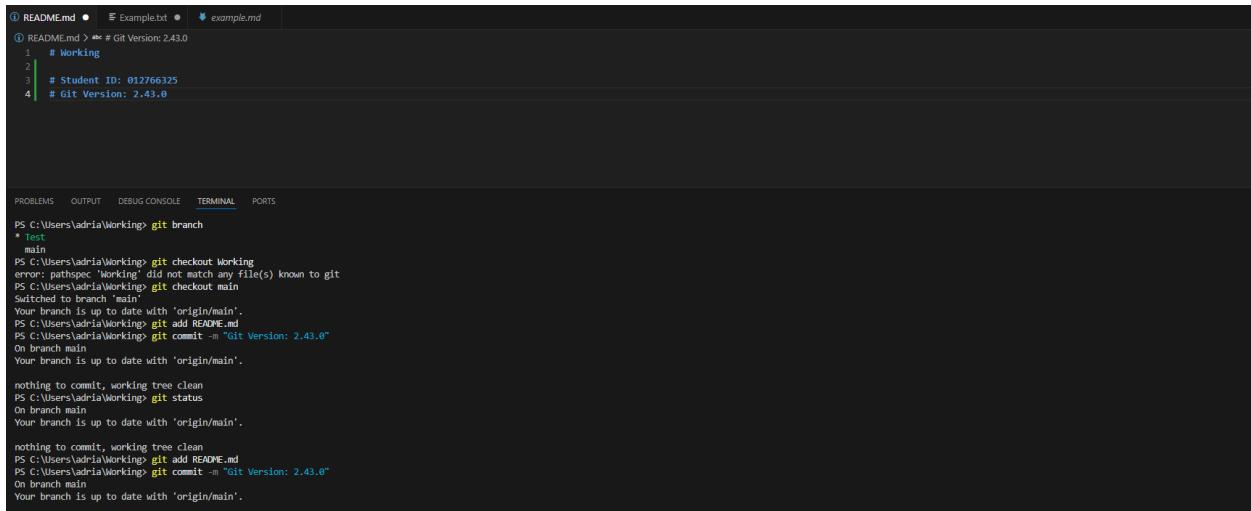
No packages published Publish your first package

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Comment: Inserted student ID inside the README files.

Step E Two Screenshots

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



The screenshot shows a terminal window with several tabs open: README.md, Example.txt, and example.md. The terminal history shows the following commands and their output:

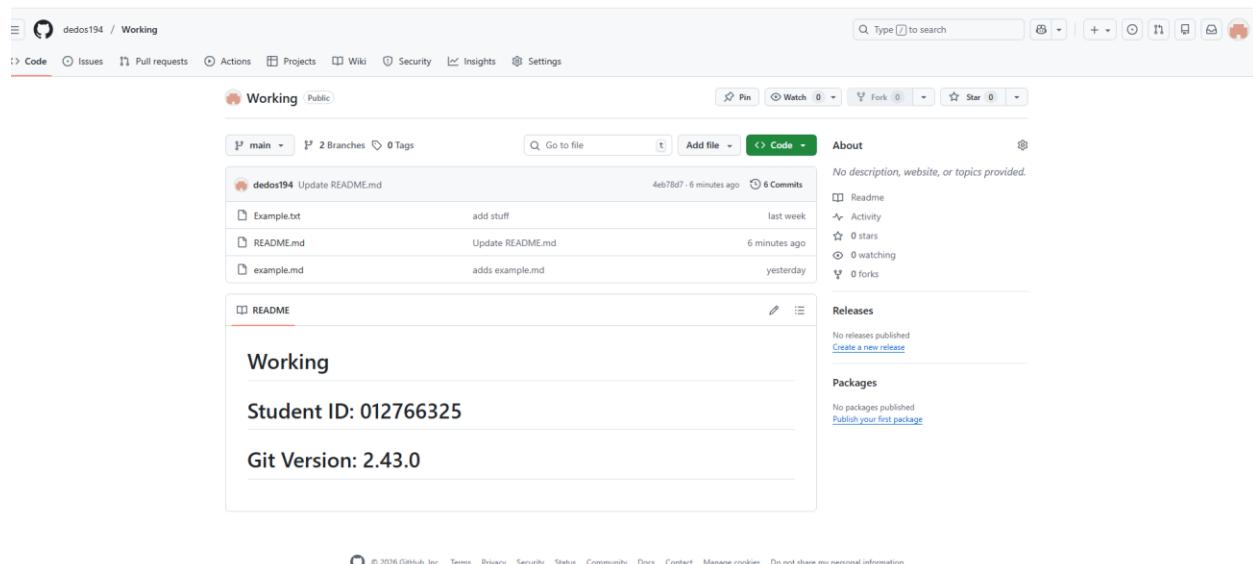
```
PS C:\Users\adria\Working> git branch
* Test
  main
PS C:\Users\adria\Working> git checkout Working
error: pathspec 'Working' did not match any file(s) known to git
error: pathspec 'Working' did not match any file(s) known to git
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS C:\Users\adria\Working> git add README.md
PS C:\Users\adria\Working> git commit -m "Git Version: 2.43.0"
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\adria\Working> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\adria\Working> git add README.md
PS C:\Users\adria\Working> git commit -m "Git Version: 2.43.0"
On branch main
Your branch is up to date with 'origin/main'.
```

Comment: Code showing a conflict of the code later being resolved.

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



The screenshot shows a GitHub repository page for 'Working'. The repository has 2 branches and 6 commits. The README file contains the following content:

```
dedos194 Update README.md
4eb78d7 · 6 minutes ago
Example.txt add stuff
last week
README.md Update README.md
6 minutes ago
example.md adds example.md
yesterday
```

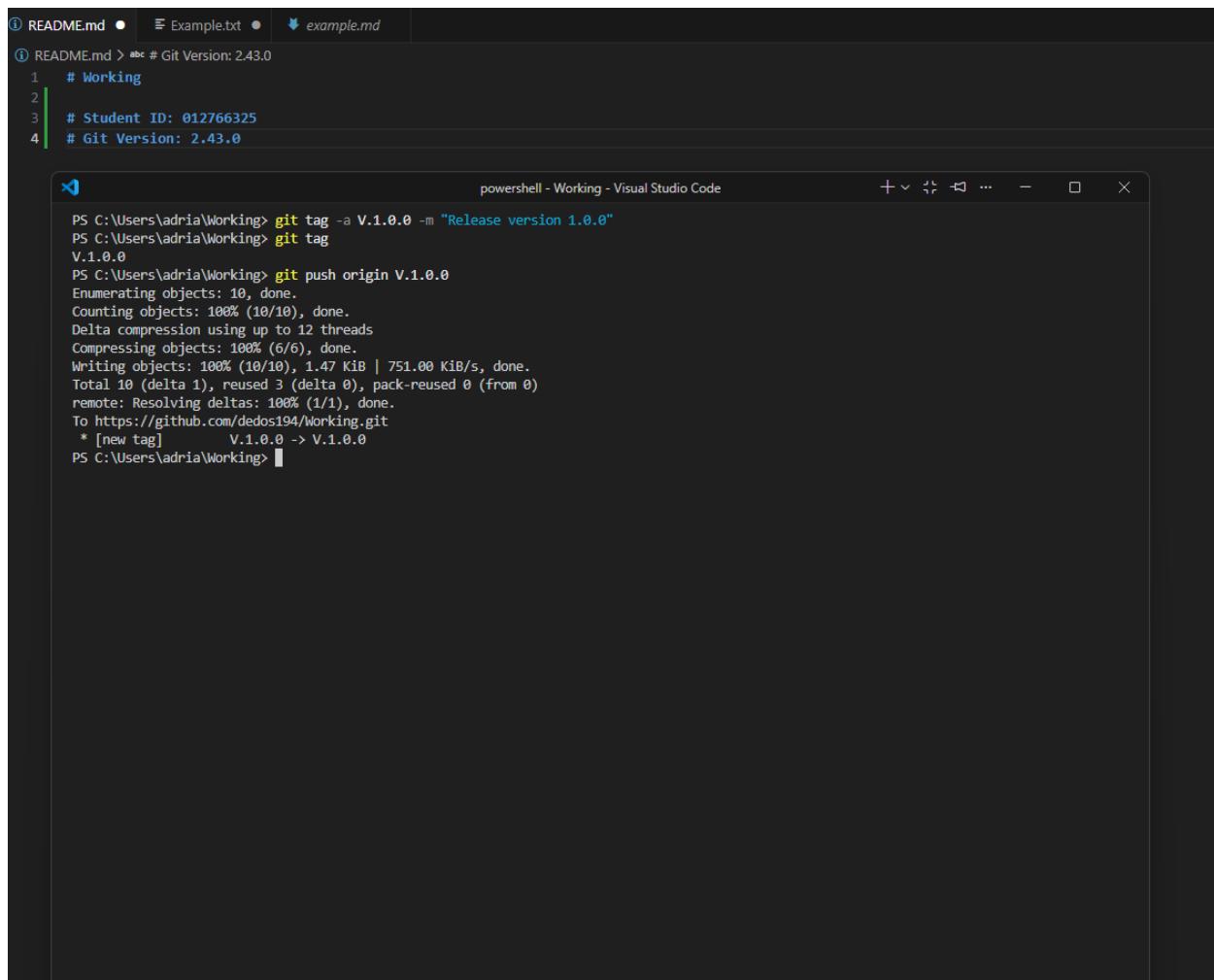
The README file content is:

Working
Student ID: 012766325
Git Version: 2.43.0

Comment: The addition of the Git Version to the README file.

Step F Two Screenshots

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



The screenshot shows a Visual Studio Code interface with a terminal window open. The terminal window title is "powershell - Working - Visual Studio Code". The terminal content displays the following command-line session:

```
PS C:\Users\adria\Working> git tag -a V.1.0.0 -m "Release version 1.0.0"
PS C:\Users\adria\Working> git tag
V.1.0.0
PS C:\Users\adria\Working> git push origin V.1.0.0
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (10/10), 1.47 KiB | 751.00 KiB/s, done.
Total 10 (delta 1), reused 3 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/dedos194/Working.git
 * [new tag]      V.1.0.0 -> V.1.0.0
PS C:\Users\adria\Working>
```

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

The screenshot shows a GitHub repository page for a user named 'dedos194' with a repository titled 'Working'. The 'Tags' tab is selected. A release named 'V.1.0.0' is displayed, which was tagged 18 minutes ago by 'dedos194'. The release version is 1.0.0. It contains two assets: 'Source code (zip)' and 'Source code (tar.gz)', both of which were uploaded 18 minutes ago. The GitHub footer at the bottom includes links for Terms, Privacy, Security, Status, Community, Docs, Contact, Manage cookies, and a link to not share personal information.

Comment: The current version of git tag.