Lab Report

ECPE 170 – Computer Systems and Networks – Spring 2021
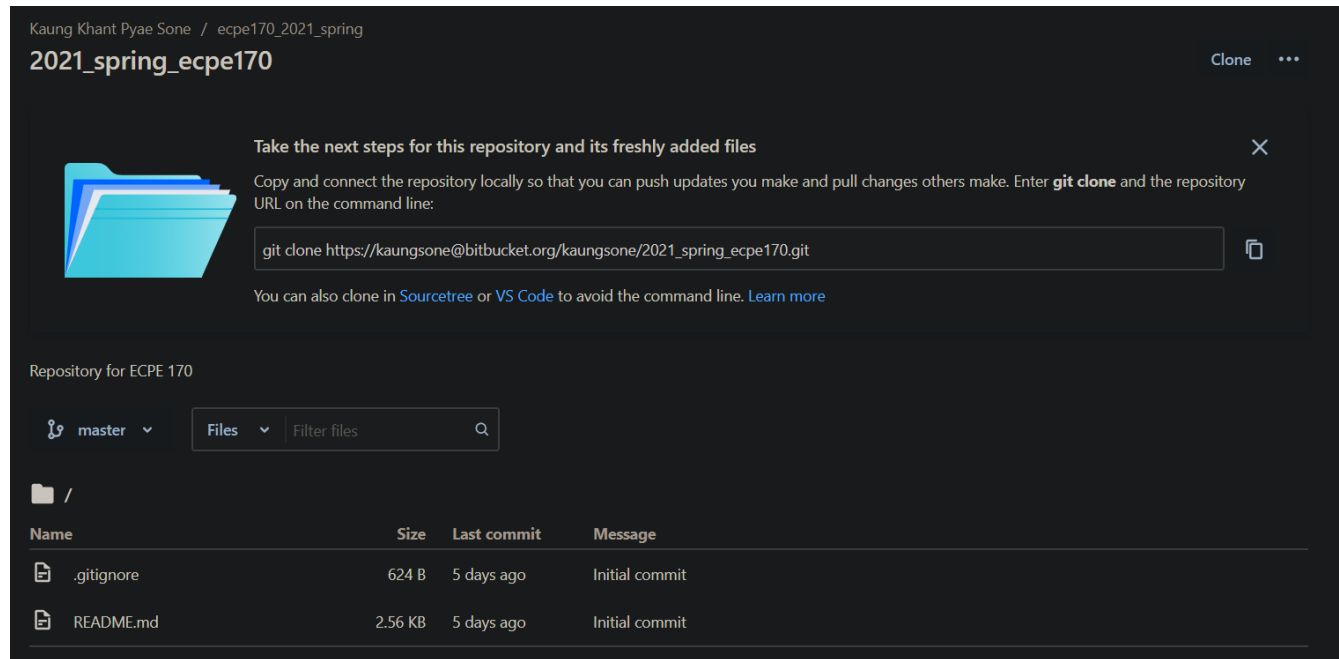
Name: Kaung Khant Pyae Sone

Lab Topic: Version Control   (Lab #: 2)

Question #1:

Take a Screenshot (using the Ubuntu Screenshot tool) showing what the BitBucket source view looks like at this point.
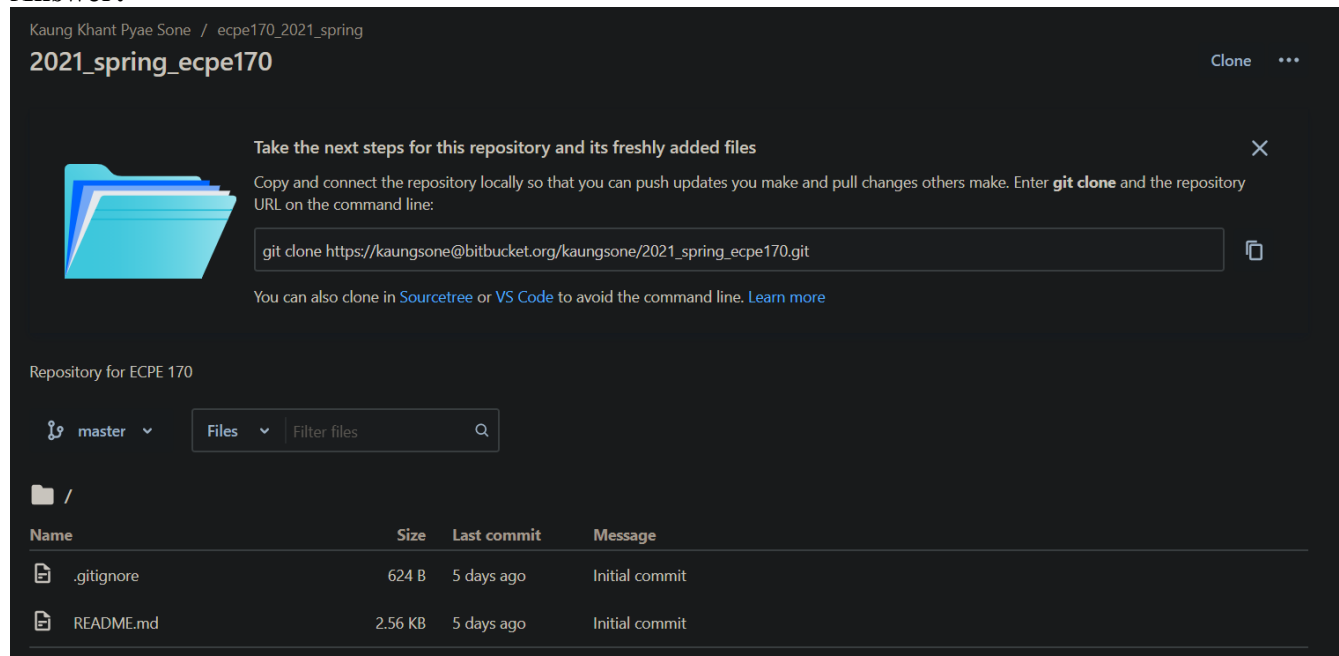
Answer:

Question #2:

Take a Screenshot (using the Ubuntu Screenshot tool) showing what the BitBucket source view looks like at this point.
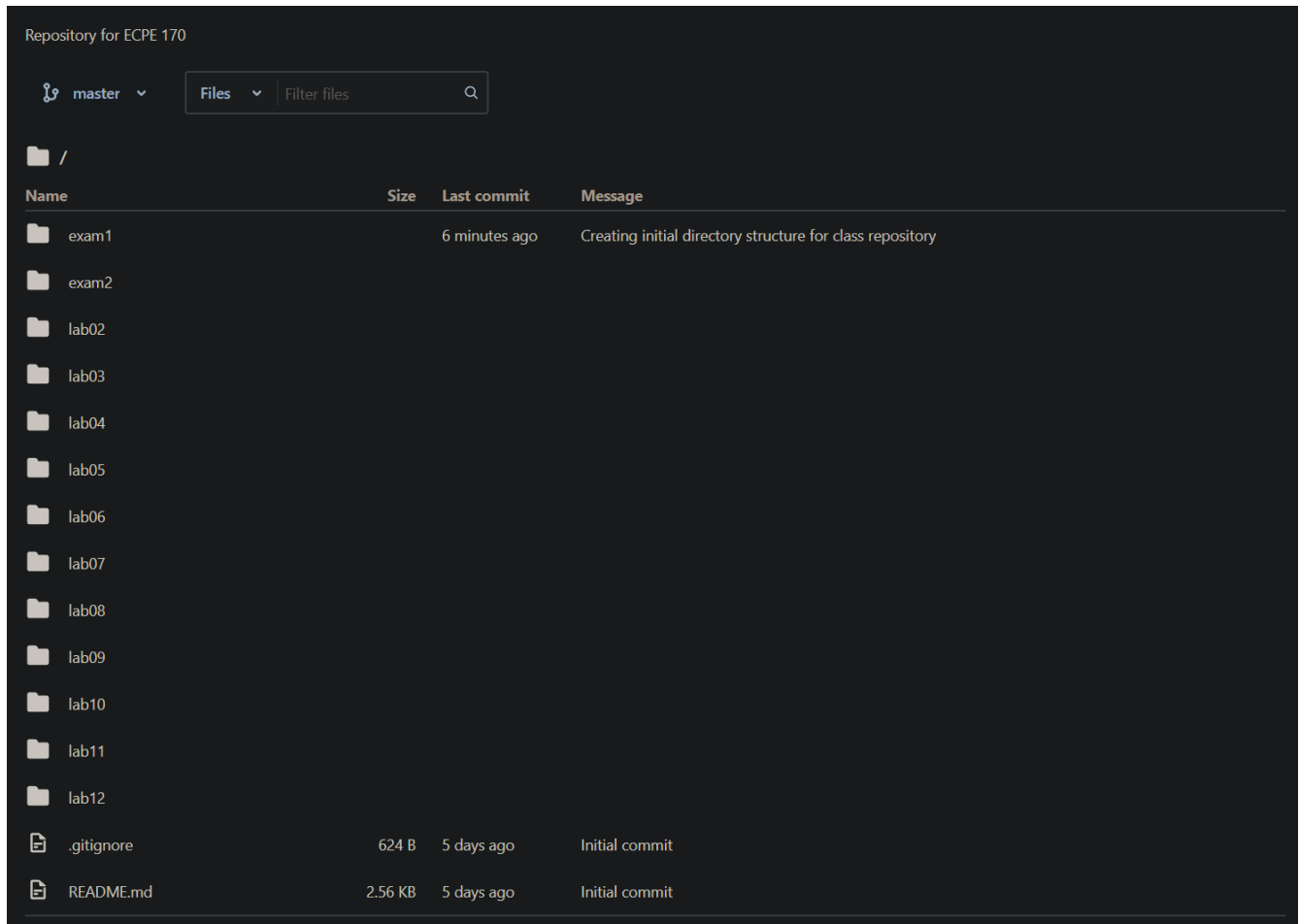
Answer:

Question #3:

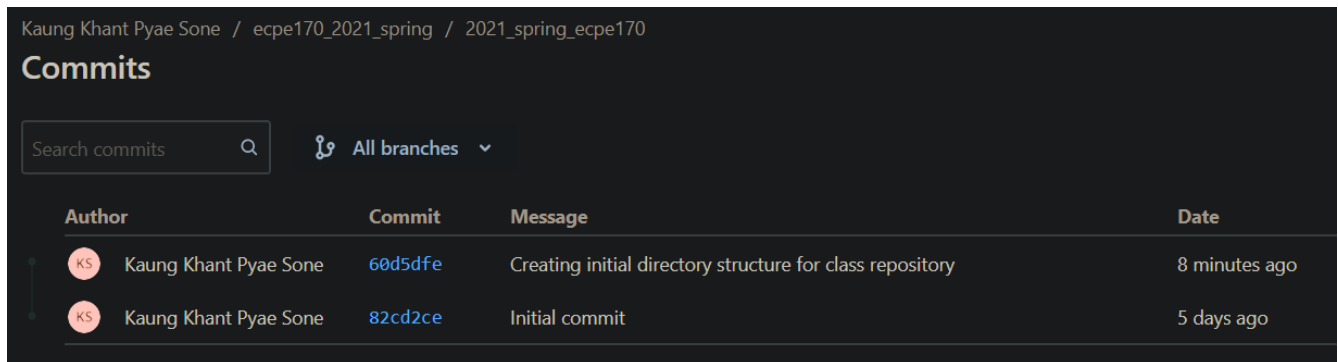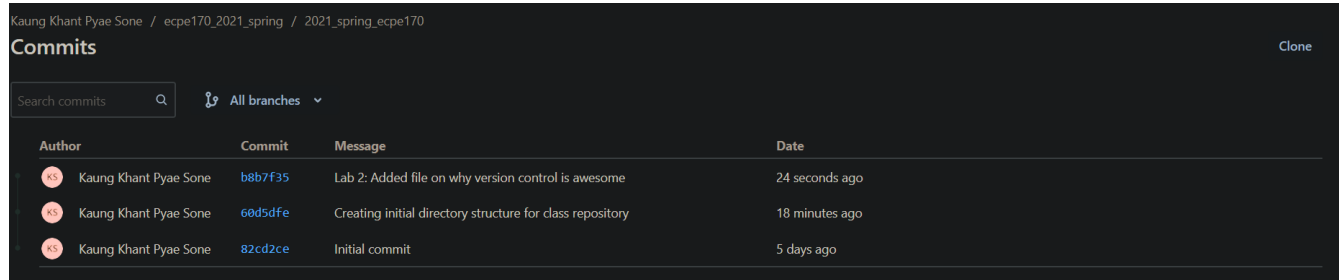Take a Screenshot showing what the BitBucket source view looks like at this point.

Answer:

Repository for ECPE 170

master ∨ | Files ∨ | Filter files | 🔍

📁 /

Name	Size	Last commit	Message
📁 exam1		6 minutes ago	Creating initial directory structure for class repository
📁 exam2			
📁 lab02			
📁 lab03			
📁 lab04			
📁 lab05			
📁 lab06			
📁 lab07			
📁 lab08			
📁 lab09			
📁 lab10			
📁 lab11			
📁 lab12			
📄 .gitignore	624 B	5 days ago	Initial commit
📄 README.md	2.56 KB	5 days ago	Initial commit

Question #4:

Take a Screenshot showing what the BitBucket version history looks like at this point (under the Commits tab)

Answer:

Kaung Khant Pyae Sone / ecpe170_2021_spring / 2021_spring_ecpe170

Commits

Search commits 🔍 | All branches ∨

Author	Commit	Message	Date
KS Kaung Khant Pyae Sone	60d5dfe	Creating initial directory structure for class repository	8 minutes ago
KS Kaung Khant Pyae Sone	82cd2ce	Initial commit	5 days ago

Question #5:
Take a Screenshot showing what the BitBucket version history looks like at this point (under the
Commits tab)
Answer:

Question #6:
What does the line starting in --- represent?
Answer:
File path of the older version of the file

Question #7:
What does the line starting in +++ represent?
Answer:
File path of the newer version of the file

Question #8:
What do the lines starting in + represent?
Answer:
New lines that have been added to the .txt file

Question #9:
Can you guess what a line starting in - would represent? (Depending on the edits you made, you might
have a few of these lines too)
Answer:
Old lines that have been edited or removed from the .txt file

Question #10:
What benefits would a large team of developers get from version control? Identify at least two.
Answer:
- Code can be easily shared and collaborated on
- Developers can work on different parts of the code without affecting others

Question #11:
What benefits would a single developer (working alone) get from version control? Identify at least two.
Answer:
- Code can be backed up easily and can be restored or referenced in the future
- Multiple versions of your code can be maintained

Question #12:
What kind of files should you put in version control?
Answer:
Source files, read me files.

Question #13:
What kind of files should you not put in version control? Why?
Answer:
Binary applications, cache files. They have large file sizes and are a waste of space and bandwidth to upload and store in the repositories.

Question #14:
What is the difference between an add, commit and a push?
Answer:
add makes git track a new file, commit makes changes to the local repository, and push pushes updates from the local repository to the one on bitbucket.

Question #15:
Why is it better to use git mv instead of plain-old regular mv to copy a file within the repository?
Answer:
It preserves version history