

[Question 1 (1 pt)] Have you worked with any version control systems, including Git or SVN, before? If so, which systems?

Caleb: have worked with SVN via UNIX. I have also begun implementing a Git repository for the ECE department.

Matt: I have done SVN in Linux as well as Windows.

[Question 2 (1 pt)] Have you worked with a command prompt or shell before? If so, which one (e.g. Windows cmd, bash, PowerShell, zsh)?

Caleb: I have done used Secure CRT for programming in Unix, HTML, JavaScript, and Scheme. I've used basic CMD functions; however, have not used to for coding programs.

Matt: I have worked with PowerShell, Windows cmd and a little of bash.

[Question 3 (2 pts)] Explain, in your own words, what the git add command does.

Updates changes staged for commit

[Question 4 (2 pts)] Explain, in your own words, what the git commit command does.

Places individual file alterations within the repository history; however, it does not change the HEAD

[Question 5 (2 pts)] Explain, in your own words, what the git push command does.

Makes branches available to others—for fetching, pulling, cloning, etc...—via remote repositories.

[Question 6 (2 pts)] How many people are on your team? How many copies of your Git repository exist in total? (Hint: don't forget your remote!)

- (i) 2: Matthew Iwema and Caleb Drake are on Team101
- (ii) 3: 2 Local and Remote

[Question 7 (2 pts)] How many commits are there in your repository's history?

We have three: one from Matt and two from Caleb

[Question 8 (2 pts)] Who created the second commit in your repository's history?

drakecb

[Question 9 (2 pts)] What changes did the second commit in your repository's history make?

“Changed README... again...(^^)”

[Question 10 (2 pts)] How many members are on your team? How many branches are there in GitHub's copy of the repository? (Hint: don't forget the master branch!)

- (i) 2
- (ii) 3

[Question 11 (2 pts)] How many files with a student's username exist on the master branch? How many files with a student's username exist on each other branch?

- (i) 2 on master
- (ii) 3 on drakecb
- (iii) 3 iwemamj

[Question 12 (2 pts)] Explain, in your own words, what the git branch command does.

It creates an independent version of the repository at a certain point. This allows a developer to edit data without affecting the master version. If one needs to put something from a sub-branch into the master, the data simply needs to be merged via *git merge*

[Question 13 (2 pts)] Explain, in your own words, what the git checkout command does.

Grabs files from a branch / path and updates the working tree with them.

[Question 14 (2 pts)] How many members are on your team? How many versions of the README file are there? (Hint: don't forget the version on the master branch!)

- (i) 2
- (ii) 3 + #local copies: 1 on the master, 1 on drakecb branch, 1 in iwemamj branch

[Question 15 (2 pts)] How many members are there on your team? How many Git merges did you perform? How many of these merges were fast-forward, and how many were done manually?

- (i) 2
- (ii) 2: one from each of our branches
- (iii) 1 fast-forward (from Matt's) and 2 manually (README—and for some reason Username.txt was also conflicted)

[Question 16 (2 pts)] How many branches exist in the GitHub copy of your repository?

2 branches

[Question 17 (2 pts)] Are any of the individual student branches at the same point as the master branch? Why or why not?

drakecb is at the same point—due to being the most recent merge; however since drakecb did not execute the merge, drakecb's branch still exists and can—therefore—be modified independently..

