Q: How did viewing a diff between two versions of a file help you see the bug that was introduced?

A: Comparing the differences between both versions will help me to identify where in the code has been changed and see possible misspellings or errors.

Q: How could having easy access to the entire history of a file make you a more efficient programmer in the long term?

A: I would be able to watch all the versions of the project and in case some mistake has been made, being able to return to an older and functional version.

Q: What do you think are the pros and cons of manually choosing when to create a commit, like you do in Git, vs having versions automatically saved, like Google docs does?

A: By committing manually instead of automatically, you can decide what to commit and when. This gives the opportunity to split the commits based on functionality. By committing manually you can specify commit messages describing what has changed, instead of only showing an auto-commit.

Q: Why do you think some version control systems, like Git, allow saving multiple files in one commit, while others, like Google Docs, treat each file separately?

Fill in your answer here

Q: How can you use the commands git log and git diff to view the history of files?

A: Git log will show all the commits made in the project, then you can use git diff to compare the changes done in the different files you are working on, before you make a commit, that way you will be sure you are committing logical important changes.

Q: How might using version control make you more confident to make changes that could break something?

A: Knowing that there is a backup version of my work and knowing that if I make a mistake I can return to a previous state of my code will allow me to do changes without worrying to mess my code up.

Q: Now that you have your workspace set up, what do you want to try using Git for?

A: I am working on a personal project, also I am relatively new in coding, so, I made mistakes, with this tool I am more confident in experimenting new things.

Commands:

q | exit git log!

git log | List the commits and show which files have changed

git log --stat | Show addition information about the commits

git diff id1 id2 | Compare two commits

git clone | Create a local copy/clone from the repository

git config --global color.ui auto | get colored diff output

git checkout | Shows a previous version of the file.