Lesson 1:

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

it helps me to find the diff so fast and save my time

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

I can go back through any version I’ve done before and recap the diff or undo the old one

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?

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| --- | --- | --- |
|  | Google Sheet | Git |
| Pros | all changes are saved automatically, and you can recover it easily | all the changes having purpose |
| Cons | you may have changes without purpose | Unfortunately, you can't work with judgement call right |

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?

Because git deals with project with a related file, and as they’re related so you can edit something, and it need an additional edit in another file

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

Git log: retrieve all the commits that’ve done in this repository, Q to quit it,

Git diff: to compare between 2 files and know which lines has changed and how many they are, I found the no. of lines changed by git log --stat

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

It makes everything in separate from the other, so you can easily go back through old version and check the bug and the difference to find the error.

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

For upload my files and save versions easily, etc....

Lesson 2:

**What happens when you initialize a repository? Why do you need to do it?**

**I upload my files on git repository, I need this to save all my updates to get it easily.**