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**CSE 210**

**W01 Prove: Articulate—Version Control**

1. **Explain the meaning of Version Control**

Version Control records changes that have been made over time by teams of people who are working together.

1. **Highlight a benefit of Version Control**

It allows for tracking of history made to projects including who made the changes and when was the change made. Also allows for teams to work together where people can make changes to one project.

1. **Example of version control: Describe the way version control might be used on a software development team.**

Say if a bug or issue arises the team can restore to more stabler version of the code and can address any issues found.

1. **Show a command used in Version Control (for example a Git command)**

git commit -m “I have removed line 22.”

1. **Thoroughly explain these concepts (this likely cannot be done in less than 100 words)**

Version control records any changes been made over the course of time. The benefits of using version control allows for teammates to work together simultaneously on a project and allows for tracking of history made to the projects they can see who made any changes and when was it done. Teammates can also recover any earlier or older versions of the project which can help with finding any bugs or issues that are in a code. To make any changes and push it GitHub first add a file to be committed by using git add and when ready to commit that file that has been staged, you can use git commit followed by a message or comment. For example: git commit -m “I have removed line 22.” Once committed your changes, you now push it to GitHub by typing git push command. To also see the current status of your changes type git status.