What is version control and why is it important?

Explain the meaning of Version Control

- Version control is a tool that tracks changes made to the files over time. It's like having a log of all the modifications you have made over time on the file you are working on. It also allows you revert back to previous versions and compare the different changes your have made file.

Highlight a benefit of Version Control and Provide an application of Version Control. This means, provide an example of how Version Control could be used.

- A key benefit of Version Control would to be prevent chaos and lost work. Lets say, If there is a large group of people working on a same project and someone accidentally overwrites a crucial section of a code. Without version control, that could be gone for the good leading to delays and frustrations but with the version control, you can easily restore the previous version.

- One of its use would be if multiple developers working on a software project can use version control to make sure they are always using on the most up-to-date code and avoid conflicts and track individual contribution.

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

- git commit -m "Changes made"

   This command saves the current state of your code as a new version, along with a message about the changes made.