**W01 Assignment: Explain Version Control**

Version control is a system that helps teams track and manage changes made to files over time. I believe it is especially important in software development, where teams collaborate on the same project. With version control, we can make sure that every change is recorded, allowing developers to review the history and evolution of a file, revert to previous versions if needed, and avoid conflicts when multiple people work on the same file.

The most important benefit of version control is collaboration. For example, on a software development team, each developer can work on a different feature in separate branches. Once their work is complete, they can merge the branches into the main project seamlessly.

A developer can commit changes made to with:  
git commit -m “corrected loop errors.”

This tool helps to maintain an organized workflow and reduces errors, especially in large projects with multiple team members.