**What is version control and why is it important?**

A version control is a tool which keep track of changes made in certain project, not only the changes but also each versions where the changes made and the version codes together, the version control tool have variety of benefit when it comes to programing projects, one of the version control tool example can be Git with GitHub it allows the programmer to track back the progress was made and go back and trace the different approaches taken place in case there is need for any updated approaches to be included, for collaboration or team projects version control can offer large benefit starting from hosting the program and sharing the program within team members and to break down the project for each team member and combine whenever needed to a final one big project, team members also can refer the other team member work.

Thes are a few commands that are used in Git version control tool one of them is **git init**. **git init** - this command allows user to initialize or create new GIT repository, A Git repository is a virtual storage space for a project's files and folders, along with their revision history. It's a key part of the Git version control system, which helps multiple developers work on a project at the same time, and after the repository is created Git begins tracking an existing directory, this command also adds a hidden subfolder within the existing directory that houses the internal data structure required for version control. A git repository allows users to save their versions of code, track changes to files and folders, collaborate with other developers, and compare changes across versions of code.