A version control system is one that helps programmers keep track of the changes that are made to their code. It keeps records of the changes, before the changes occurred and specifying exactly what changes where made which can be passed as a comment when committing changes to github. It also keeps record of what changes were made, who made those changes, when the changes were made and why the changes were needed.

There are many benefits to using a version control system. For instance, in a case where several programmers are working on a software, they can all make contributions to one repository and track all the changes made. Also, they can all work on separate parts of the software at the same time and contribute to a full project. For example, if a team of programmers were working on a software and one team member who’s responsible for the part that for instance, asks the user for their score and returns their grade percentage, the programmer would add a git command as follows; git commit -m "Add grade modifier logic for + and -". The message specifies exactly what change was made. Programmers need to be careful as this message should describe the type of change made.