Lab: Practicing Version Control

1. How can version control help developers to collaborate on code projects?

When working on a project, the Version Control System helps all members of the team to be on the same page. This ensures that the latest version of a file is being worked on simultaneously by all members of your team for the same project.By providing a shared history of the project, version control allows developers to track code changes over the time and ensures smooth collaboration. It allows multiple developers to work on the same code projects at the same time, to manage conflicts, and to easily merge changes. Version control systems like Git provide a centralized repository, making it easier to coordinate and maintain a consistent and up-to-date codebase.

1. How does branching enable developers to work on features in parallel?  
     
   Branching allows developers to create separate workflow of development, known as branches. A particular feature or task can be represented by each branch. These branches can be used by developers to work on their task specialization, making changes that do not affect the original codebase. The branch may be merged back to the primary branch once this feature has been completed and checked. The use of this parallel development process enables teams to work on several features at the same time, thereby resulting in a smoother, faster and successful collaboration between the team working on a project.
2. How do you undo a commit (i.e., explain how to use git revert)?