GIT Assignment 4

1. How can new features be added to the main branch? What is a git conflict?
   New features can be added to the main branch by creating a new branch to the main branch and we can make new changes and features.
   Git conflict arises when we are trying to merge two branches, if there are changes in the same files and in the same lines.

2. How do I remove a branch from GIT?
   We need switch to other branch if we want to delete the current branch we are in by git switch <target-branch-name>.
   Git branch - d <branch-name> is used to delete the branch from GIT.

3. What is the purpose of the git checkout command?
   This command is used to change from one branch to another branch or if we use -b <New-Branch-Name> along with that we can create a new branch and switch to that.

4. What is the purpose of the git commit command?
   This command is used to authorise the changes the has been made in the working area to store in the GIT.

5. What is the purpose of the command 'git rm'?
   Git rm command is used to delete a file from a GIT repository.

6. What is the purpose of the git log command?
   This command is used to show all the details of the commits in the project.

7. What is the purpose of 'git add'?
   This command is used to add the files from the working area of the project to the staging area.

8.   In GIT, what is a 'bare repository'?
Bare repository is used to store the files from the users but commits cannot be done on the repository. It only stores the history of commits.

9.   What's the difference between git remote and git clone?

Git remote command helps to manage the changes that happen in local to remote repositories. They can fetch, push the code between local and remote repositories.

Git clone is a command used to get a copy of a whole project from remote to local repository.