Task - 2

What is Prune in Fetch?

- Fetch is used to retrieve changes from a remote repository and update your local directory.
- If –prune is added along with the *git fetch* command, it cleans the references to the remote repo which no longer exists.
- There may be some references which may have been previously accessed by the remote repository these can cause hinderances in the smooth functioning of the local working.

What is Squashing?

- When the work is done on the local file/directory, there are multiple changes made to it. And all these changes are committed.
- When this directory is pushed to the online repository and a pull request is made, the owner will see all the commits made to the file/files. This is not required by the owner of the repository and hence Squashing comes into play.
- Squashing combines all the number of commits into a single commit. This single commit can give an overlook of all the changes made to the file.
- This helps the owner of the repository to take a quick decision on accepting the pull request or not.

What are Merge Conflicts and how can they be solved?

- Merge conflicts refers to the scenarios that occur when we try to merge two branches with conflicting changes.
- Eg: when different people make changes to the same line of the same file.
- This results in a merge conflict.
- Git Hub can automatically resolve these conflicts.

- However, some conflicting changes like in the same file occur. These need to be resolved manually.