**Chapter- 1 Some Github Commands**

1. **git init-** initiates a git repo.
2. **Git status**- checks whether the current directory is a git repository or not, checks the status of present working directory.
3. **Git add <filename>/git add --a/git add -A-** puts all modified files/files that are modified and which we want to be staged to staging area.
4. **Git commit** – commits all the staged changes in all staged files
5. **Git clone <url>**- clones a remote git repository to pwd.

**Chapter-2 Gitignore**

Gitignore is a file which is made by the programmer to ignore certain files/certain types of files/certain directories from being tracked by git. It is made in the git repository which is being tracked by git. It is a text file with the name of “.gitignore”. Inside it, the name of all files which need to be ignored, the type of files which need to ignored (\*.<file extension>), directories which need to be ignored (/<name of dir>) for the single directory which needs to be ignored, or if there are multiple directories with same name and all of them need to be ignored then (<name of dir need to be ignored/>).

**Chapter-3 Git diff**

This command helps us to compare the files/ documents in staging area (which are staged but not yet committed) vs the same files/documents in the present working directory. This command serves its purpose by showing us the changes made in the files in present working directory(which are not staged).

**The staging area is the area where files go after using the git add command.**

**Command:**

1. **Git diff –** Shows the changes made in the files in **present working directory**.
2. **Git diff --staged-** Shows the changes made in the files which are in staging area. Thus staged flag is used with this command.