**Git and Github**

**Assignments Questions**

**1. What is Git?**

Git is a popular version control system. It was created by Linus Torvalds

**2. What do you understand by the term 'Version Control System'?**

It is a system that records changes to a file or set of files over time, so that we can recall specific versions later, i.e. for every source code changes in a file a new version will be created.

**3. What is GitHub?**

Git is a code hosting platform for version control and collaboration. It is the way to use repository remotely.

**4. Mention some popular Git hosting services.**

Some of the git hosting services are :-

* Gitlab
* Bitbucket
* Perforce
* Codebase
* Amazon AWS CodeCommit

**5. Different types of version control systems**

Two Types of Version Control System:-

* Centralized Version Control System
* Distributed Version Control System

**6. What benefits come with using GIT?**

Some benefits of using GIT are :-

* Tracking code changes.
* Tracking who made changes like history of the files.
* Coding collaborations.

**7. What is a Git repository?**

The repository in git is same as the folder. GIT contain collection of various Versions of a project.

**8. How can you initialize a repository in Git?**

To Initialize repository in Git we have to use command “**git init**”.