Git and GitHub
Assignment

1. What is Git?

Ans. Git is distributed version control system, created by Linus Torvalds in 2005 and has been maintained by Junio Hamano. Git is used for – 1. Tracking code changes, 2. Tracking who made the changes like history of the files, 3. Coding collaborations.

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

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

3.What is GitHub?

Ans. GitHub is the most popular Git Server which is stored somewhere in cloud. It contains remote repository(actual repository) of project through which any team member can access files and work on it by pulling the files in his system.

4. Mention some popular Git hosting services.

Ans. Some popular Git hosting services are: GitHub, BitBucket, Gitlab, Gitblit, etc.

5. Different types of version control systems.

Ans. There are two types of Version Control Systems. They are as follows :

1.Centralised Version Control System

2.Distributed Version Control System

6. What benefits come with using GIT?

Ans. Using Git we can keep record of changes made in files, we can collaborate our work with other team members and also integration of work gets easier – these are some benefits of using Git.

7. What is a Git repository?

Ans. Git repository is a storage location where we can keep our files and through which other team members can also access it and work on it.

8.How can you initialize a repository in Git?

Ans. Repository in Git can be initialized using command "git init".