

## Assignment #2 (Day 3)

1. What is Git?

Answer → Git is a popular version control system.

Git is used for

- (a) tracking code change
- (b) Tracking who made change like history of the files
- (c) coding collaborations

(2) What do you understand by term 'VCS'?

Answer

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

(3) What is GitHub?

Ans

GitHub is a distributed version control platform where users can collaborate on or adopt open source code project, fork code, share idea.

(4) Mention some popular Git hosting service.

Ans • GitLab • Git Bucket

• Bitbucket

• Git Hub

• Git tea.

5. Different type of version control system.

Answer

1. Local version control system

2. Centralised Control system

3. Distributed Version Control system.

Q) What benefit come with using Git?

Answer

Benefit

- ⇒ It makes it easy to contribute to your open source project
- ⇒ Showcase your work
- ⇒ It provide three area to work
  - (a) working area
  - (b) stage area
  - (c) local repository
- ⇒ Track change in your code across working

Q) What is a Git repository?

Ans

A Git repository tracks and saves the history of all changes made to the files in a Git project. It saves their data in a directory called `.git` also known as the repository folder.

Git use a VCS to track all change made to the project and save them in the repository.

Q) How can you initialize a repository in Git?

Ans

By using commands  
git init.