**Lesson:**

**Git and Github**

**Assignment Solution**

**Q.1**

**Ans:** Git is a open source and very popular version control system.

**Q.2**

**Ans**: It is a system that records changes to a file or set of files over time, so that we can recall specific versions later.

**Q.3**

**Ans:** GitHub is a opensource git server.

**Q.4**

**Ans**: Bitbucket, Amazon AWS CodeCommit, Gitlab, Perforce etc.

**Q.5**

**Ans**: There are two type of version control system;

1. Centralized Version Control System
2. Distributed Version Control System

**Q.6**

**Ans:** it has branching capabilities on the other hand other VCS does not have branching capabilities like GIT

**Q.7**

**Ans:** Git repository tracks all changes made in the files of the project.

**Q.8**

**Ans**: In the system first you go to the folder and then run git command "git init" by doing that a local repository is initialized in the folder.