**AIOPS Assignment 2**

1. What is GIT and GitHub?

*Git is a distributed version control system that allows developers and operations teams to collaborate and track code updates made on a project.*

*Github is a cloud based hosting service that helps managing Git repositories. It offers distributed revision control and source code management functionality of Git as well as adding its own features. Github is a graphical user interface whereas Git is a command line tool.*

1. What is a git repository?

*Git repository is the centralized storage location for software packages. There are Local repositories and Remote repositories. Local repository stays in the local machine. Remote repository is the centralized storage location for all the files and acts as a backup for the local repository.*

1. What are the branches in GitHub?

*Branches allows to develop features, fix issues etc. It enables to work on different parts of a project without impacting the main branch. After the work is complete, a branch can be merged with the main branch.*

1. What do you mean by commit?

*Commit is an operation which sends the latest changes of the source code to the repository.*

1. What is the command used to delete a branch?

*git branch -d <branch>*

1. What is the git-clone command used for?

*Git clone helps to make a copy of a repo in a new directory in a different location.*

1. What is the difference between git pull and git fetch?

*Git pull downloads the contents from a remote repository and updates the local repository.*

*Git fetch pulls all commits from remote repository but doesn’t make any changes to the local files while Git pull updates the local files.*

