**GIT Assignment 2**

1. What does the command 'git status' do?

**Ans: The status of the staging area of files an working directory.**

1. How to delete a Git local branch?

**Ans: git branch –d branch\_name**

1. How can I add a project to Git that already exists?

Ans:

1. **Ans: Create another new repository**
2. **Open Git Bash.**
3. **Click on the option ‘push an existing repository to github’ and enter the name.**
4. What exactly is a Git fork? What are the distinctions between a fork, a branch, and a clone?

**Ans: Fork() provides another copy of the repository.**

**Difference is fork is like a duplicate or a copy. Branch has parts of the original repository and clone is used to clone the whole repository locally to make changes.**

1. What is the difference between HEAD, working tree, and index in GIT?

**Ans: HEAD indicates the recently made commit, the parent commit.**

**Working tree is the tree with all the current files someone is working with**

**Index is the place where you keep the files to commit.**

1. Which GIT command is used to change branches?

**Ans: git switch command can be used.**

1. What is the difference between GitHub and Git?

**Ans: Git is a version control system that lets you manage code, branch them, stage them and commit them.**

**Github is like a cloud storage place where you can request, pull repositories, files etc.**

1. What are some of the advantages of using the Variation Control System? Which programming language is used in Git?

**Ans: -Reduces errors, human errors.**

* + **Faster and more reliable.**
  + **Can be accessed easily and from anywhere.**
  + **Secure**
  + **Can easily track changes, including by whom.**
  + **Can be used as backup/recovery.**

1. List out some Git repository features.

**Ans: -Speed**

**-Branching**

**-Storing**

**-Secure**

**-Compatible.**