GIT Assignment 2

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

displays the state of the working directory and the staging area.

1. How to delete a Git local branch?

git branch -D <local-branch>

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

git init

git add .

git commit -m “message”

git remote add origin git-uri

1. What exactly is a Git fork? What are the distinctions between a fork, a branch, and a clone?

A fork creates a completely independent copy of Git repository. In contrast to a fork, a Git clone creates a linked copy that will continue to synchronize with the target repository

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

HEAD refers to the most recent commit,

working tree is composed of files in their present state as they exist on the file system.

Git index serves as the “staging area” between the files you have on your filesystem and your commit history

1. Which GIT command is used to change branches?

switch command

1. What is the difference between GitHub and Git?

Git is a version control system that lets you manage and keep track of your source code history (locally). GitHub is a cloud-based hosting service that lets you manage Git repositories.

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

Advantages:

branching capabilities

version control

history check

Any language’s code can be used as a source code in git vcs.

1. List out some Git repository features.

Tracks history.

Free and open source.

Supports non-linear development.

Creates backups.

Scalable.

Supports collaboration.

Branching is easier.

Distributed development