

Assignment-1

1. What is GitHub

GitHub is a website for developers and programmers to collaboratively work on code. The primary benefit of GitHub is its version control system, which allows for seamless collaboration without compromising the integrity of the original project. The projects on GitHub are examples of open-source software.

2. What is Git Bash

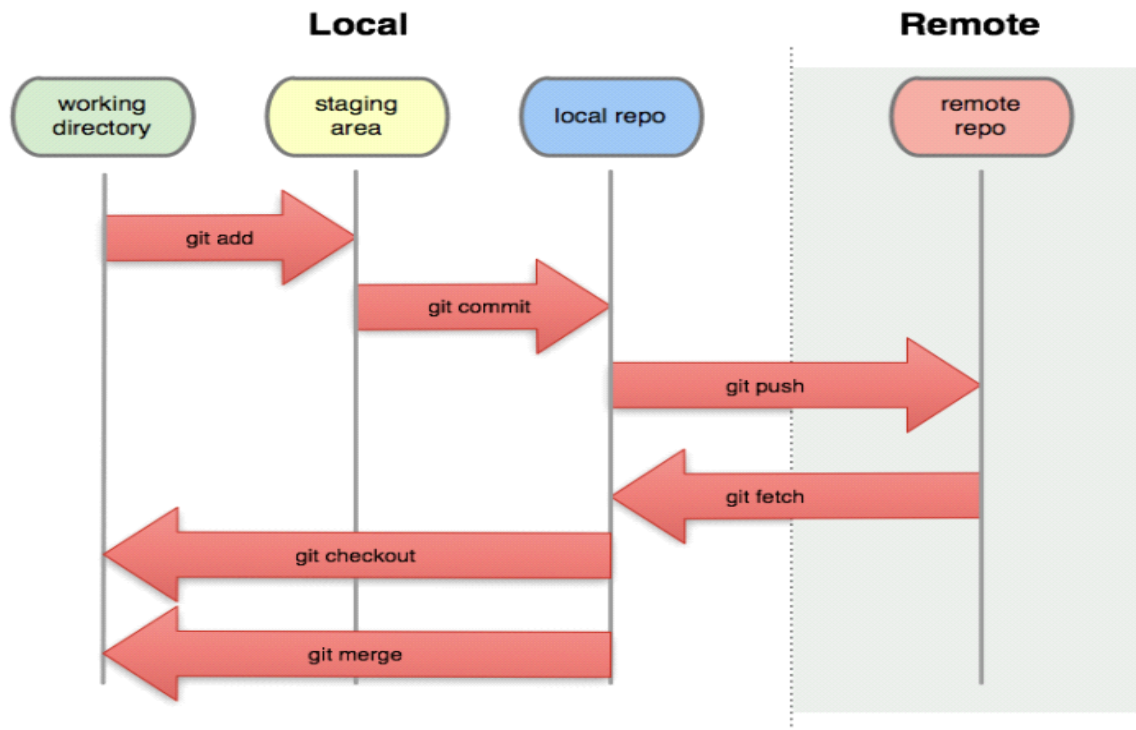
Git Bash is an application for Microsoft Windows environments which provides an emulation layer for a Git command line experience. Bash is a popular default shell on Linux and macOS. Git Bash is a package that installs Bash, some common bash utilities, and Git on a Windows operating system.

3. What is GitHub repository

You can store a variety of projects in GitHub repositories, including open-source projects. With open-source projects, you can share code to make better, more reliable software. You can use repositories to collaborate with others and track your work.

4. What is local and remote repository

The local repository is a Git repository that is stored on your computer. The remote repository is a Git repository that is stored on some remote computer. The remote repository is usually used by teams as a central repository into which everyone pushes the changes from his local repository and from which everyone pulls changes to his local repository.



5. List out few commonly used commands in GitHub

These are a list of few commands that you can use frequently on GitHub:

i. **git config --global user.name "Mohd Usman Barkaati"**

-> above command sets configuration values for your user name on git

ii. **git config --global user.email mohdusmanbarkaati77@gmail.com**

-> above command sets configuration values for your user email on git

iii. **mkdir Folder_Name**

-> it creates the folder

iv. **cd Folder_Name**

-> change current directory to Folder_Name

v. git init

-> To create a local git repository for us in our store folder. This will help to manage the git commands for that particular repository.

vi. touch file.txt

-> it creates file with the name file.txt

vii. start file.txt

-> this command open file.txt in notepad

viii. git status

-> To see what's changed since last commit. It shows all the files that have been added and modified and ready to be committed and files which are untracked

ix. git add Readme.txt

-> To add a file Readme.txt to the staging area to track its changes.

x. git commit -m "Created a Readme.txt"

-> To commit our changes (taking a snapshot) and providing a message to remember for future reference.

xi. git log

-> To check the history of commits for our reference.