

# **ASSIGNMENT 1**

## **Git and GitHub**

Create version control account on GitHub and using Git Commands to create a repository and push your code on github.

### **What is Git?**

- Git is a tool used to keep track of changes to files, especially the code of the projects.
- It is termed a distributed version control system because of its behaviour to allow multiple people to work on the same project, even if they are not connected to a common server.

### **What is GitHub?**

- Github is a online software development and web based platform.
- GitHub is widely used among developers because it allows collaboration with other developers around the globe.
- Github provides tools like Version Control, meaning it tracks changes to your code over time.
- It is also a Code storage which stores your code online.

# Git Commands

```
MINGW64/c/Users/Lenovo/Desktop/gitcmd
C:\Users\Lenovo\Desktop>gitcmd
C:\Users\Lenovo\Desktop>git init
Initialized empty Git repository in C:/Users/Lenovo/Desktop/gitcmd/.git/
C:\Users\Lenovo\Desktop>git status
On branch master
No commits yet
nothing to commit (create/copy files and use "git add" to track)
C:\Users\Lenovo\Desktop>git add
nothing specified, nothing added.
hint: Maybe you wanted to say "git add ." ?
hint: Disable this message with "git config advice.addEmptyPathspec false"
C:\Users\Lenovo\Desktop>git status
On branch master
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        chaitali.txt
nothing added to commit but untracked files present (use "git add" to track)
C:\Users\Lenovo\Desktop>git add .
C:\Users\Lenovo\Desktop>git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   chaitali.txt
C:\Users\Lenovo\Desktop>git commit -m "added file with name chaitali"
[master (root-commit) 40113c] added file with name chaitali
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 chaitali.txt
C:\Users\Lenovo\Desktop>git status
On branch master
nothing to commit, working tree clean
C:\Users\Lenovo\Desktop>git branch new-branch
C:\Users\Lenovo\Desktop>git branch
* master
  new-branch
C:\Users\Lenovo\Desktop>git checkout new-branch
Switched to branch 'new-branch'
```

```
MINGW64/c/Users/Lenovo/Desktop/gitcmd
C:\Users\Lenovo\Desktop>git checkout new-branch
Switched to branch 'new-branch'
C:\Users\Lenovo\Desktop>git status
On branch new-branch
nothing to commit, working tree clean
C:\Users\Lenovo\Desktop>git config user.email "kbtug2246@kbtcoe.org"
C:\Users\Lenovo\Desktop>git config user.name "ChaitaliFapale"
C:\Users\Lenovo\Desktop>git remote add origin https://ghp_9QiFV0qTmxYh6MAz3gg7cAKrmbCPrs0C2Iov@github.com:ChaitaliFapale/wad_ass1.git
C:\Users\Lenovo\Desktop>git push https://ghp_9QiFV0qTmxYh6MAz3gg7cAKrmbCPrs0C2Iov@github.com:ChaitaliFapale/wad_ass1.git
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 230 bytes | 115.00 Kib/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com:ChaitaliFapale/wad_ass1.git
 * [new branch]      new-branch -> new-branch
C:\Users\Lenovo\Desktop>git branch
* master
  new-branch
C:\Users\Lenovo\Desktop>git clone https://github.com:ChaitaliFapale/wad_ass1.git
Cloning into 'wad_ass1'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
C:\Users\Lenovo\Desktop>git pull
From https://github.com:ChaitaliFapale/wad_ass1
 * [new branch]      new-branch -> origin/new-branch
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

    git branch --set-upstream-to=origin/<branch> new-branch
C:\Users\Lenovo\Desktop>
```