**Lab Exercise1-Git and Git Hub**

Step 1: Install the Git

You can download GIT for free from the following website

https://www.git-scm.com/

Step 2: Open the Command prompt (type cmd in your search bar)

For Mac and Linux you can use the build-in-terminal

Step 3: Make sure that the GIT is adequately installed, by typing the command

git version

If Git is properly installed then it will show git version 2.42.0.windows.1

Step 4: Make a directory of your own

mkdir project-name

Step 5: Change the current working directory

cd project-name

Step 6: Configure the Git by using the command

git config - - global user. name “username”

git config - - global user.email “useremail.gmail.com”

Step 7: Initialize the GIT

git init

Step 8: Write a simple program in text-editor save the program with an extension, and make

sure that you are saving the file into the correct directory

Step 9: Add the file

git add filename ex: git add myprogram.c //git file is in the staging area

Step 10: git status

Step 11: git commit -m “message name” //first version of file

Git status //git is committed

Git Hub

Step 1: Create a git hub account with your personal email ID.

Step 2: Log in to git hub.

Step 3: Create a new repository. Make the repository public.

Step 4: Give the repository name

We already created a local repository, we want to push it into a global repository

Step 5: Copy the URL from the git hub Ex: git remote add origin

https://github.com/w3schools-test/hello-world.git

Step 6: Come back to the command prompt.

Step 7: Type the command git remote add origin “your\_url\_name”

Step 8: Type the command git branch -M main

Step 8: Type the command git push -u origin master

Open github and refresh the window ,we can see the pushed program in the repository

Go to Actions

Configure Python Application

Create a yml file

Pull the program to local git hub

EXAMPLE PROGRAM

gfg.py

a=1

b=1

print(a+b)

**Lab Exercise2-Hosting Webpage in GITHUB**---- https://www.youtube.com/watch?v=BT4WzyT2g8k&ab\_channel=AKRITIGOSWAMI

1. Push index.html to github from git
2. Go to settings
3. Pages
4. Select option build and deployment…give source as main
5. Select Brnach root directory ---give root here
6. Then Save
7. Then go to code you will see small yellow circle---it provides details about what is happening
8. Then go to seetings and pages
9. You will see url(else refresh)
10. Select URL

**Lab exercise3 – Hosting webpage from W3 schools**

1. Create account in w3 school space and create webpage