**1. Git-HOL**

**Objectives**

* Understand and use common Git commands: git init, git status, git add, git commit, git push, and git pull.
* Configure Git user information on your machine.
* Integrate Notepad++ as the default editor for Git commit messages.
* Add a file to your Git repository and commit changes.

**Prerequisites**

* Git Bash client installed on your machine.
* Notepad++ installed (optional for editor integration).
* A free GitHub or GitLab account (use your personal credentials, not corporate).

**Estimated Time**

Approximately 30 minutes.

**Step 1: Setup Git Configuration**

**1. Verify Git Installation**

Open Git Bash and run:

git --version

You should see the installed Git version.

**2. Configure Your User Information**

Set your user name and email:

git config --global user.name "Your Full Name"

git config --global user.email "your.email@example.com"

**3. Verify Configuration**

Check the current Git configuration:

git config --list

**Step 2: Integrate Notepad++ as Default Git Editor**

**1. Check Notepad++ Command**

notepad++

If not recognized, add Notepad++ to your system PATH.

**2. Add Notepad++ to PATH (Windows)**

* Open Control Panel > System > Advanced System Settings
* Go to Advanced tab > Environment Variables
* Edit the Path variable in User Variables and add the folder containing notepad++.exe
* Save changes.

**3. Set Notepad++ as Git Editor**

git config --global core.editor "notepad++.exe"

**Step 3: Create Repository and Add Files**

**1. Create and Initialize Repository**

mkdir GitDemo

cd GitDemo

git init

**2. Create a New File**

echo "This is a demo file for Git Hands-on Lab" > demo.txt

**3. Add File to Git**

git add demo.txt

**4. Commit the File**

git commit -m "Add demo.txt file"



