Handson1: GIT-HOL (Hands-On Lab)

# Step 1: Git Configuration

Check Git version:

git --version

Output Example:  
git version 2.42.0.windows.1

Set user name and email:

git config --global user.name "Vaibavalakshmi M"  
git config --global user.email "mvaibavalakshmi@gmail.com"

Verify configuration:

git config --list

# Step 2: Set Notepad++ as Default Editor

Check if notepad++ runs from Git Bash:

notepad++

If it fails, add Notepad++ path to Environment Variables:  
Control Panel > System > Advanced System Settings > Environment Variables > Edit PATH

Set Notepad++ as default editor for Git:

git config --global core.editor "notepad++ -multiInst -notabbar -nosession -noPlugin"

Verify editor is set:

git config --global -e

# Step 3: Create Repository and Add File

Create folder and initialize Git:

mkdir GitDemo  
cd GitDemo  
git init

List hidden files to confirm .git directory:

ls -a

Create and edit file:

notepad++ welcome.txt

Check file existence:

ls

View file contents:

cat welcome.txt

Check Git status:

git status

Add file to staging area:

git add welcome.txt

Commit the file (multi-line comment in Notepad++):

git commit

# Step 4: Push to GitLab

Add remote repository:

git remote add origin https://gitlab.com/your-username/GitDemo.git

Pull from remote (to handle unrelated histories):

git pull origin master --allow-unrelated-histories

Push to remote repository:

git push -u origin master