**Familiar with Git commands like git init, git status, git add, git commit, git push, and git pull**

**Step 1: Setup your machine with Git Configuration**

**1.1 Check Git Installation**

bash

git --version

**1.2 Configure user details**

bash

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

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

**1.3 Verify configuration**

bash

git config –list

### ****Step 2: Integrate notepad++.exe to Git and make it the default editor****

**2.1 Check if Notepad++ is recognized**

bash

notepad++

If not recognized, add Notepad++ installation path to **Environment Variables**:  
Control Panel → System → Advanced System Settings → Environment Variables → Edit Path → Add path to notepad++.exe

Example path:

makefile

C:\Program Files\Notepad++\

**2.2 Restart Git Bash and check again**

bash

notepad++

**2.3 Create alias for Notepad++**

bash

alias np='notepad++'

**2.4 Configure Git to use Notepad++ as default editor**

bash

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

**2.5 Verify the default editor**

bash

git config --global -e

This opens the Git global configuration file in Notepad++.

### ****Step 3: Add a file to source code repository****

**3.1 Create new project directory**

bash

mkdir GitDemo

cd GitDemo

**3.2 Initialize Git repository**

bash

git init

**3.3 Verify repository creation**

bash

ls -a

**3.4 Create a file and add content**

bash

echo "Welcome to Git Hands-On Lab" > welcome.txt

**3.5 Verify file creation**

bash

ls

**3.6 View file content**

bash

cat welcome.txt

**3.7 Check repository status**

bash

git status

**3.8 Stage the file**

bash

git add welcome.txt

**3.9 Commit with multi-line message (opens Notepad++)**

bash

git commit

Inside Notepad++, write commit message, save, and close.

**3.10 Verify status after commit**

bash

git status

### ****Step 4: Push local repository to remote GitLab****

**4.1 Create remote repository on GitLab named GitDemo**

**4.2 Link local repository to remote**

bash

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

**4.3 Pull latest changes (if any)**

bash

git pull origin master

**4.4 Push local commits to remote**

bash

git push origin master