1. **GIT - HOL**
2. **Setup your machine with Git Configuration**
3. **Integrate notepad++.exe to Git and make it a default editor**
4. **Add a file to source code repository**

**Step 1: Install Prerequisites**

Install Git Bash

Install Notepad++ (Optional)

**Step 2: Configure Git**

Open **Git Bash** and run:

*git --version*

Now set your name and email (replace with your details):

*git config --global user.name "Mohanapriyan"*

*git config --global user.email "mohan@gmail.com"*

Check configuration:

*git config --list*

**Step 3: Set Notepad++ as Default Editor**

Check if Git recognizes Notepad++:

*notepad++*

If it says **command not found**, you must add it to PATH:

* + Press Win + S, type **Environment Variables**
  + Under User variables, select Path, click **Edit**
  + Click **New**, paste the path:

*C:\Program Files\Notepad++*

* + Click OK

Restart Git Bash and try:

*notepad++*

Set Notepad++ as default Git editor:

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

**Step 4: Create a Local Git Repository**

Create a project directory:

*mkdir GitDemo*

*cd GitDemo*

Initialize Git repo:

*git init*

Create a text file:

*echo "Welcome to Git Hands-on Lab!" > welcome.txt*

Check file:

*cat welcome.txt*

Check Git status:

*git status*

Add the file:

*git add welcome.txt*

Commit the file:

*git commit*

**Step 5: Push to Remote Repository (GitLab)**

Create a free GitLab account at <https://gitlab.com>

Create a project named **GitDemo** (do **not** initialize with README)

In Git Bash, link your local to remote:

*git remote add origin* [*https://gitlab.com/your-username/GitDemo.git*](https://gitlab.com/your-username/GitDemo.git)

Pull (in case something already exists):

*git pull origin master --allow-unrelated-histories*

Push your code:

*git push -u origin master*

**OUTPUT:**



