# Git & Notepad++ Integration – Hands-on Lab Guide

## Objectives

• Understand basic Git commands: git init, git status, git add, git commit, git push, and git pull.  
• Configure Git with user details.  
• Integrate Notepad++ with Git as the default editor.  
• Add and commit files to a local Git repository.

## Prerequisites

• Git Bash installed on your machine.  
• Notepad++ installed on your machine.  
• Internet connection to create an account and repository on GitLab or GitHub.  
• Do not use Cognizant credentials to log in to GitHub or GitLab.

## Step 1: Setup Git Configuration

1. Check if Git is installed:

git --version

If this returns the Git version, Git is correctly installed.

2. Configure Git with your user name and email:

git config --global user.name "Naresh939286"  
git config --global user.email "22eg105p10@anura.edu.in"

3. Verify Git configuration:

git config --list

## Step 2: Integrate Notepad++ with Git

1. Check if Notepad++ can be accessed from Git Bash:

notepad++

If you see an error like 'command not found', it means Notepad++ is not in your system PATH.

2. Add Notepad++ to the environment PATH variable:

• Open Control Panel → System → Advanced system settings.  
• Click on Environment Variables.  
• Under 'User variables', find 'Path' and click Edit.  
• Click New and add the path to your Notepad++ installation (e.g., C:\Program Files\Notepad++\).  
• Click OK and close all dialog boxes.  
• Restart Git Bash.

3. Set Notepad++ as the default editor for Git:

git config --global core.editor "'C:/Program Files/Notepad++/notepad++.exe' -multiInst -notabbar -nosession -noPlugin"

## Step 3: Create and Add File to Git Repository

1. Create a repository on GitLab or GitHub. Name it 'GitDemo'.

2. Clone the repository:

git clone https://gitlab.com/yourusername/GitDemo.git

3. Navigate to the repo and create a file:

cd GitDemo  
notepad++ sample.txt

4. Add and commit the file:

git add sample.txt  
git commit -m "Added sample.txt file"

5. Push the file to GitLab:

git push origin main

## Testing Git and Notepad++ Integration

You can test if Notepad++ is correctly set as Git's editor by running:  
git commit  
  
If configured properly, Notepad++ will open to let you write your commit message. Save and close it to finish the commit.







