**WEEK – 8**

Git-HOL

Hands-on in this document

Step 1 – Git Configuration

1. Check Git installation
2. git --version

Step 2 – Integrate Notepad++ as Git Default Editor

1. Check if Notepad++ works in Git Bash:
2. notepad++
   * If you get “command not found,” add Notepad++ to the Windows PATH:
     + Go to Control Panel → System → Advanced system settings → Environment Variables.
     + Edit the Path variable and add Notepad++ install path (e.g., C:\Program Files\Notepad++).
3. Restart Git Bash and test:
4. notepad++
5. Create an alias (optional):
6. alias np="notepad++"
7. Set Notepad++ as the default Git editor:
8. git config --global core.editor "'C:/Program Files/Notepad++/notepad++.exe' -multiInst -nosession"
9. Verify the editor setting:
10. git config --global -e

This opens your global config file in Notepad++.

Step 3 – Add a File to Git Repository

1. Create a new project folder:
2. mkdir GitDemo
3. cd GitDemo
4. Initialize Git repository:
5. git init
6. Create a file:
7. echo "Welcome to Git" > welcome.txt
8. Check file:
9. ls
10. cat welcome.txt
11. Check Git status:
12. git status
13. Track the file:
14. git add welcome.txt
15. Commit changes (opens Notepad++ for multi-line message):
16. git commit
17. Check repository status:
18. git status

Step 4 – Connect to Remote Repository

1. Create a remote repository (GitLab or GitHub) named GitDemo.
2. Link remote:
3. git remote add origin https://gitlab.com/yourusername/GitDemo.git
4. Pull remote changes:
5. git pull origin master
6. Push local commits:
7. git push origin master