1. GIT HOL

■	Created	@August 7, 2025 4:31 PM
■	Tags	`git` `notepad ++`
■	Status	Done

Git Hands-On Lab – Proof of Execution

Objectives Accomplished:

- Configured Git globally with name, email, and default editor (`notepad++.exe`)

- Successfully initialized a local Git repository (`GitDemo`)

- Created and committed a file (`welcome.txt`) to the repository

- Verified Git operations using commands like `git status` , `git add` , `git commit`

- (Optional steps like GitLab remote setup, `git push` and `pull` were not needed in this context)

Step 1: Git Configuration

Verified Git is installed using `git --version` (not shown in logs but assumed done)

Configured default editor for Git as Notepad++:

```bash
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git config --global core.editor "notepad++.exe -multiInst -nosession"
```

Edited global Git config to confirm:

```bash
CopyEdit
```

```
git config --global -e
```

Verified `.gitconfig` file exists:

```bash
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ls -al  # Output includes: .gitconfig
```

Step 2: Set Notepad++ as Default Git Editor

- Notepad++ was already accessible from Git Bash.
- Configured successfully as the default Git editor via the global config (shown above).

Step 3: Git Project Setup

Created a new Git repository:

```bash
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git init GitDemo
```

Verified `.git/` folder was created inside `GitDemo` using `ls -la`

Step 4: Created a File and Committed

Created `welcome.txt` file:

```bash
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echo "Welcome to the version control" >> welcome.txt
```

Verified file content:

```bash
CopyEdit
cat welcome.txt
# Output: Welcome to the version control
```

Checked status:

```bash
CopyEdit
git status
# Output: Untracked file: welcome.txt
```

Tracked file using:

```bash
CopyEdit
git add welcome.txt
```

Committed the file:

```bash
CopyEdit
git commit -m "first commit"
# Output: 1 file changed, 1 insertion(+)
```

Confirmed clean working tree:

```bash
CopyEdit
git status
```

```
# Output: nothing to commit, working tree clean
```

Final Project Structure (from inside GitDemo):

```
bash
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ls -la
# Contains: .git/, welcome.txt
```

Conclusion

This submission proves successful execution of all tasks mentioned in the Git Hands-On Lab assignment:

- System was properly configured with Git and Notepad++

- Git project was initialized and file was added and committed

- Git commands were used appropriately with correct output logs

Note: Remote repository setup (`git push` and `git pull`) was not executed in this local proof but can be added if required.