**1. Git-HOL**

Step 1: Git Configuration

• Installed Git Bash from official source (https://git-scm.com/download/win)

• Verified Git installation using `git --version`

• Configured user name and email using:

git config --global user.name "velavanvarsha"

git config --global user.email "velavanvarsha@email.com"

• Verified configuration using `git config --list`

Step 2: Notepad++ Integration

• Installed Notepad++ and added its path to Environment Variables

• Verified by launching Notepad++ from Git Bash using `notepad++`

• Set Notepad++ as Git default editor using:

git config --global core.editor "C:/Program Files/Notepad++/notepad++.exe"

• Verified editor with `git config -e`

Step 3: Local Repository and Commit

• Created local folder `GitDemo` and initialized it with `git init`

• Created `welcome.txt` with content: Welcome to the version control

• Added file using `git add welcome.txt`

• Committed file with:

git commit -m "Initial commit with welcome.txt"

Step 4: Remote GitLab Repository

• Created GitLab project: https://gitlab.com/velavanvarsha-group/gitdemo

• Added remote using:

git remote add origin https://gitlab.com/velavanvarsha-group/gitdemo.git

• Pulled remote (to merge README):

git pull origin master --allow-unrelated-histories

• Pushed local changes using:

git push -u origin master

• Verified in GitLab that `welcome.txt` appear in the repository.

**OUTPUT:**  
  
  
  
  
