Week 8 assignment 1

# Git Hands-On Lab - Complete Command Sequence

# Step 1: Git Configuration

git --version

git config --global user.name "Your Name"

git config --global user.email "your.email@gmail.com"

git config --list

# Step 2: Editor Configuration (optional - use notepad if notepad++ doesn't work)

git config --global core.editor "notepad++"

# Step 3: Initialize Repository and Create File

mkdir GitDemo

cd GitDemo

git init

ls -la

# Create the welcome.txt file

echo "Welcome to Git Demo" > welcome.txt

# Or create with multiple lines:

echo "Welcome to Git Demo

This is my first Git repository

Learning Git commands" > welcome.txt

# Verify file creation

ls

cat welcome.txt

# Check Git status

git status

# Add file to staging area

git add welcome.txt

# Check status again

git status

# Commit the file

git commit -m "Initial commit: Add welcome.txt file"

# Check status after commit

git status

# Step 4: Connect to Remote Repository (after creating repo on GitHub)

# Replace YOUR\_USERNAME with your actual GitHub username

git remote add origin https://github.com/YOUR\_USERNAME/GitDemo.git

# Check remote configuration

git remote -v

# Push to remote repository

git push -u origin master

# If using main branch instead of master:

# git branch -M main

# git push -u origin main

# Additional useful commands for the lab:

# View commit history

git log

# View commit history in one line

git log --oneline

# Check current branch

git branch

# Pull changes from remote (for future use)

git pull origin master

# Check differences (if you modify files later)

git diff