**GIT HOL**

**Git Handson 1**

**Getting Familiar with Git and its Commands**

The objective is to demonstrate how Git branching works—creating a new branch from the main branch, switching between branches, making changes independently in each branch, and merging them back, while using Git commands to track and manage these changes.

# Check Git installation

git --version

# Configure global user info

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

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

# Verify configuration

git config –list

# Check if Notepad++ works

notepad++

# (If not found) Add Notepad++ path to Windows environment variables, restart Git Bash

# Create alias

alias np='notepad++'

# Set Notepad++ as Git default editor

git config --global core.editor "notepad++ -multiInst -notabbar -nosession -noPlugin"

# Verify editor

git config --global -e

# Create and enter folder

mkdir GitDemo && cd GitDemo

# Initialize Git repo

git init

# Create a file

echo "Welcome to Git" > welcome.txt

# Check file exists

ls

cat welcome.txt

# Check Git status

git status

# Stage file

git add welcome.txt

# Commit with multi-line message

git commit

# (Notepad++ opens for writing message)

# Check status again

git status

# Link local repo to remote

git remote add origin https://gitlab.com/username/GitDemo.git

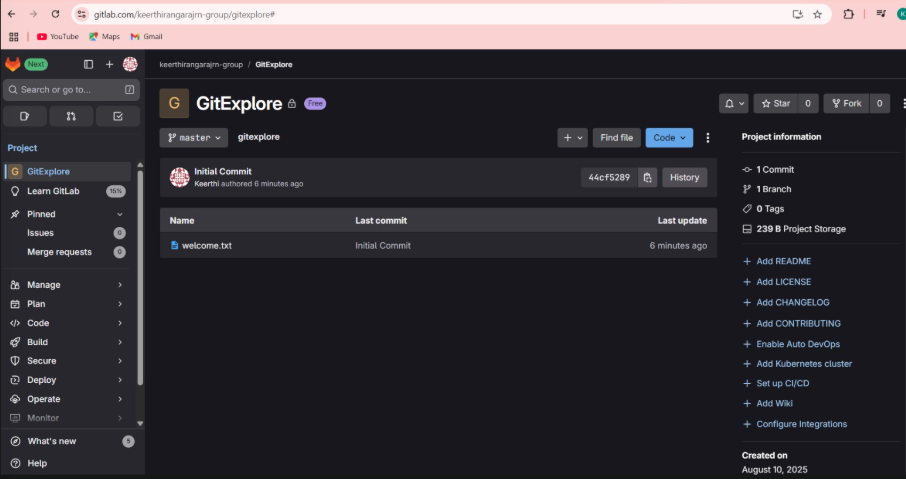
# Pull from remote (in case of changes)

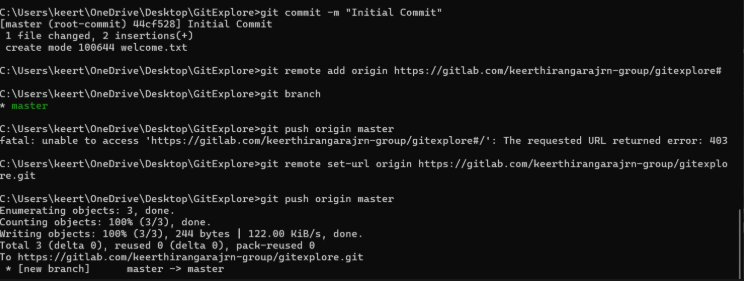
git pull origin master

# Push to remote

git push origin master

**Output:**

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