**Objectives Familiar with Git commands like git init, git status, git add, git commit, git push, and git pull. In this hands-on lab, you will learn how to**

**• Setup your machine with Git Configuration**

**• Integrate notepad++.exe to Git and make it a default editor**

**• Add a file to source code repository Prerequisites • Install Git Bash client in your machine**

**Code:**

farha@hp MINGW64 ~

$ git --version

git version 2.49.0.windows.1

farha@hp MINGW64 ~

$ git config --global user.name "Your Full Name"

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

farha@hp MINGW64 ~

$ git config --global user.name "Farhan Gouri"

farha@hp MINGW64 ~

$ git config --global user.email "farhangouri013@gmail.com"

farha@hp MINGW64 ~

$ git config --global --list

user.name=Farhan Gouri

user.email=farhangouri013@gmail.com

core.editor=notepad++

farha@hp MINGW64 ~

$ notepad++

farha@hp MINGW64 ~

$ mkdir GitDemo

farha@hp MINGW64 ~

$ cd GitDemo

farha@hp MINGW64 ~/GitDemo

$ git init

Initialized empty Git repository in C:/Users/farha/GitDemo/.git/

farha@hp MINGW64 ~/GitDemo (main)

$ echo "Welcome to Git Hands-on Lab">welcome.txt

farha@hp MINGW64 ~/GitDemo (main)

$ ls

welcome.txt

farha@hp MINGW64 ~/GitDemo (main)

$ cat welcome.txt

Welcome to Git Hands-on Lab

farha@hp MINGW64 ~/GitDemo (main)

$ git status

On branch main

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

welcome.txt

nothing added to commit but untracked files present (use "git add" to track)

farha@hp MINGW64 ~/GitDemo (main)

$ git add welcome.txt

warning: in the working copy of 'welcome.txt', LF will be replaced by CRLF the next time Git touches it

farha@hp MINGW64 ~/GitDemo (main)

$ git commit\

> /

git: 'commit/' is not a git command. See 'git --help'.

The most similar command is

commit

farha@hp MINGW64 ~/GitDemo (main)

$ git commit

Aborting commit due to empty commit message.

farha@hp MINGW64 ~/GitDemo (main)

$ git status

On branch main

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: welcome.txt

farha@hp MINGW64 ~/GitDemo (main)

$ ^C

farha@hp MINGW64 ~/GitDemo (main)

$ git commit

Aborting commit due to empty commit message.

farha@hp MINGW64 ~/GitDemo (main)

$ git status

On branch main

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: welcome.txt

farha@hp MINGW64 ~/GitDemo (main)

$ git commit

Aborting commit due to empty commit message.

farha@hp MINGW64 ~/GitDemo (main)

$ git status

On branch main

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: welcome.txt

farha@hp MINGW64 ~/GitDemo (main)

$ git commit -m "Initial commit: Added welcome.txt"

[main (root-commit) 6ee36a7] Initial commit: Added welcome.txt

1 file changed, 1 insertion(+)

create mode 100644 welcome.txt

farha@hp MINGW64 ~/GitDemo (main)

$ git status

On branch main

nothing to commit, working tree clean

farha@hp MINGW64 ~/GitDemo (main)

$ git remote add origin https://gitlab.com/menacefg78-group/menacefg78-project.git

farha@hp MINGW64 ~/GitDemo (main)

$ git push -u origin main

info: please complete authentication in your browser...

To https://gitlab.com/menacefg78-group/menacefg78-project.git

! [rejected] main -> main (fetch first)

error: failed to push some refs to 'https://gitlab.com/menacefg78-group/menacefg78-project.git'

hint: Updates were rejected because the remote contains work that you do not

hint: have locally. This is usually caused by another repository pushing to

hint: the same ref. If you want to integrate the remote changes, use

hint: 'git pull' before pushing again.

hint: See the 'Note about fast-forwards' in 'git push --help' for details.

farha@hp MINGW64 ~/GitDemo (main)

$ git pull origin main --allow-unrelated-histories

remote: Enumerating objects: 3, done.

remote: Counting objects: 100% (3/3), done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

Unpacking objects: 100% (3/3), 2.74 KiB | 233.00 KiB/s, done.

From https://gitlab.com/menacefg78-group/menacefg78-project

\* branch main -> FETCH\_HEAD

\* [new branch] main -> origin/main

Merge made by the 'ort' strategy.

README.md | 93 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

1 file changed, 93 insertions(+)

create mode 100644 README.md

farha@hp MINGW64 ~/GitDemo (main)

$ git push -u origin main

Enumerating objects: 6, done.

Counting objects: 100% (6/6), done.

Delta compression using up to 12 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (5/5), 572 bytes | 572.00 KiB/s, done.

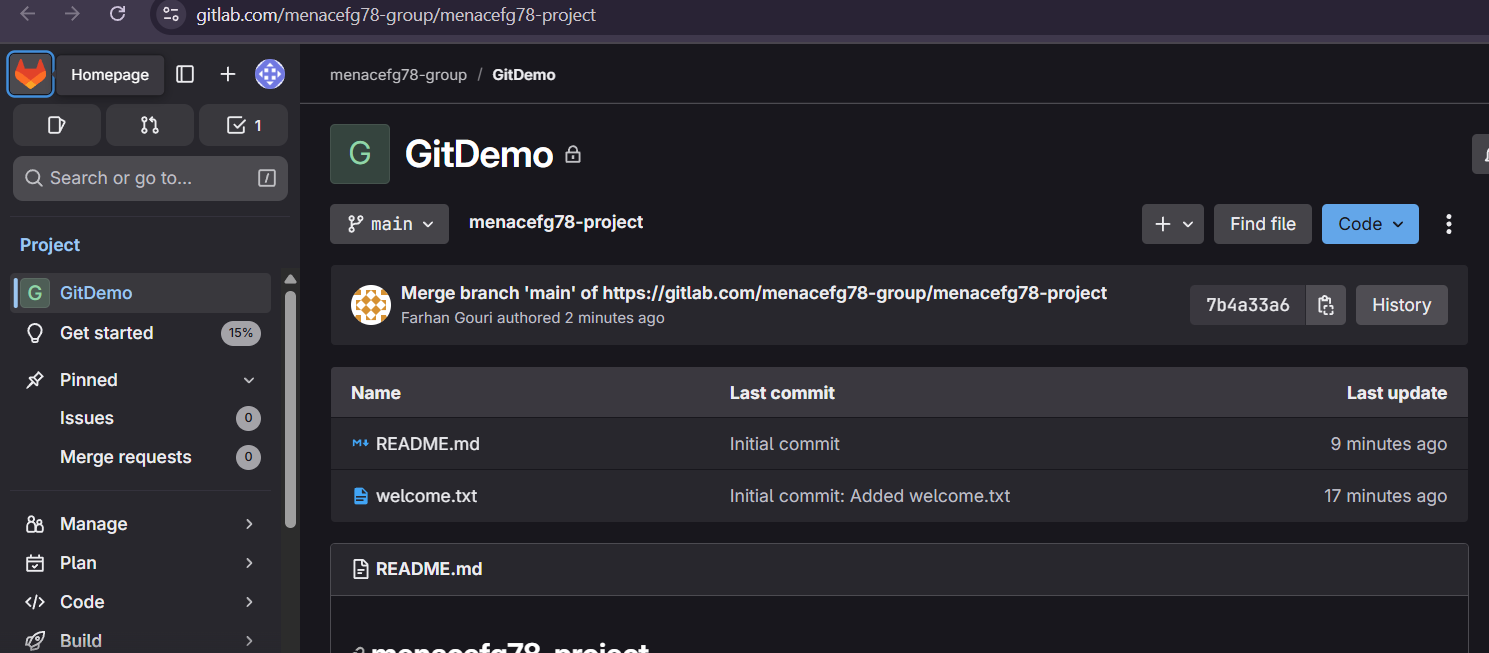
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://gitlab.com/menacefg78-group/menacefg78-project.git

f379c5d..7b4a33a main -> main

branch 'main' set up to track 'origin/main'.

**Output:**

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