**Hands-on 1**

**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

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~

$ git --version

git version 2.50.1.windows.1

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~

$ git config --global user.name "priyadarsni"

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$ git config --global user.email "priyanisha1328@gmail.com"

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$ git config --list

diff.astextplain.textconv=astextplain

filter.lfs.clean=git-lfs clean -- %f

filter.lfs.smudge=git-lfs smudge -- %f

filter.lfs.process=git-lfs filter-process

filter.lfs.required=true

http.sslbackend=openssl

http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle.crt

core.autocrlf=true

core.fscache=true

core.symlinks=false

pull.rebase=false

credential.helper=manager

credential.https://dev.azure.com.usehttppath=true

init.defaultbranch=master

user.name=priyadarsni

user.email=priyanisha1328@gmail.com

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~

$ notepad++

bash: notepad++: command not found

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~

$ git config --global core.editor "notepad.exe"

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~

$ git config --global --edit

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~

$ mkdir GitDemo

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~

$ cd GitDemo

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo

$ get init

bash: get: command not found

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo

$ ^C

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo

$ git init

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

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ ls -a

**.**/ **..**/ **.git**/

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ echo "Welcome to Git hands-on lab">welcome.txt

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ ls

welcome.txt

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ cat welcome.txt

Welcome to Git hands-on lab

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ git status

On branch master

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)

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ git add welcome.txt

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

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ git commit

[master (root-commit) 77f0529] Initial commit: Added welcome.txt

1 file changed, 1 insertion(+)

create mode 100644 welcome.txt

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ git remote add origin https://gitlab.com/priyanisha1328-group/gitdemo

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ git push -u origin master

info: please complete authentication in your browser...

warning: redirecting to https://gitlab.com/priyanisha1328-group/gitdemo.git/

Enumerating objects: 3, done.

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

Writing objects: 100% (3/3), 262 bytes | 262.00 KiB/s, done.

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

remote:

remote: To create a merge request for master, visit:

remote: https://gitlab.com/priyanisha1328-group/gitdemo/-/merge\_requests/new?merge\_request%5Bsource\_branch%5D=master

remote:

To https://gitlab.com/priyanisha1328-group/gitdemo

\* [new branch] master -> master

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

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$ ^C

PRIYADARSNI@LAPTOP-L02QOMV0 MINGW64 ~/GitDemo (master)

$





