---------------------------------1--------------------------------

mylav@ajay MINGW64 ~

$ git version

git version 2.46.0.windows.1

mylav@ajay MINGW64 ~

$ git config --global --list

user.email=mylavarapuajay49@gmail.com

user.name=MylavarapuAjaygopinath

mylav@ajay MINGW64 ~

$ notepad++

mylav@ajay MINGW64 ~

$ notepad++.exe bash -profile

mylav@ajay MINGW64 ~

$ $ git config --global core.editor "notepad++.exe -multiInst -nosession"

bash: $: command not found

mylav@ajay MINGW64 ~

$ git config --global core.editor "notepad++.exe -multiInst -nosession"

mylav@ajay MINGW64 ~

$ git config --global -e

mylav@ajay MINGW64 ~

$ git config --global -e

mylav@ajay MINGW64 ~

$ git init GitDemo

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

mylav@ajay MINGW64 ~

$ cd GitDemo

mylav@ajay MINGW64 ~/GitDemo (master)

$ ls -al

total 44

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:16 **.**/

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:16 **..**/

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:16 **.git**/

mylav@ajay MINGW64 ~/GitDemo (master)

$ echo "Welcome to the Version Control">> welcome.txt

mylav@ajay MINGW64 ~/GitDemo (master)

$ ls -al

total 45

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:17 **.**/

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:16 **..**/

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:16 **.git**/

-rw-r--r-- 1 mylav 197609 31 Aug 9 22:17 welcome.txt

mylav@ajay MINGW64 ~/GitDemo (master)

$ git mv welcome.txt welcome1.txt

fatal: not under version control, source=welcome.txt, destination=welcome1.txt

mylav@ajay MINGW64 ~/GitDemo (master)

$ ls -al

total 45

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:17 **.**/

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:16 **..**/

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:17 **.git**/

-rw-r--r-- 1 mylav 197609 31 Aug 9 22:17 welcome.txt

mylav@ajay MINGW64 ~/GitDemo (master)

$ ^C

bash: :s^C: substitution failed

mylav@ajay MINGW64 ~/GitDemo (master)

$ mv welcome.txt welcome1.txt

mylav@ajay MINGW64 ~/GitDemo (master)

$ ls -al

total 45

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:19 **.**/

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:16 **..**/

drwxr-xr-x 1 mylav 197609 0 Aug 9 22:17 **.git**/

-rw-r--r-- 1 mylav 197609 31 Aug 9 22:17 welcome1.txt

mylav@ajay MINGW64 ~/GitDemo (master)

$ cat welcome1.txt

Welcome to the Version Control

mylav@ajay MINGW64 ~/GitDemo (master)

$ git status

On branch master

No commits yet

Untracked files:

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

welcome1.txt

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

mylav@ajay MINGW64 ~/GitDemo (master)

$ git add welcome.txt

fatal: pathspec 'welcome.txt' did not match any files

mylav@ajay MINGW64 ~/GitDemo (master)

$ git add welcome1.txt

warning: in the working copy of 'welcome1.txt', LF will be replaced by CRLF the next time Git touches it

mylav@ajay MINGW64 ~/GitDemo (master)

$ git commit

Aborting commit due to empty commit message.

mylav@ajay MINGW64 ~/GitDemo (master)

$ git commit

[master (root-commit) d2d755e] Completed git configuration

1 file changed, 1 insertion(+)

create mode 100644 welcome1.txt

mylav@ajay MINGW64 ~/GitDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

mylav@ajay MINGW64 ~/GitDemo (master)

$ git remote add origin https://gitlab.com/mylavarapuajay49-group/gitdemo

mylav@ajay MINGW64 ~/GitDemo (master)

$ git push -u origin master

warning: redirecting to https://gitlab.com/mylavarapuajay49-group/gitdemo.git/

Enumerating objects: 3, done.

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

Writing objects: 100% (3/3), 269 bytes | 269.00 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/mylavarapuajay49-group/GitDemo/-/merge\_requests/new?merge\_request%5Bsource\_branch%5D=master

remote:

To https://gitlab.com/mylavarapuajay49-group/gitdemo

\* [new branch] master -> master

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

---------------------------2---------------------------------------

mylav@ajay MINGW64 ~

$ cd GitDemo

mylav@ajay MINGW64 ~/GitDemo (master)

$ cat test.log

This is a test log file

mylav@ajay MINGW64 ~/GitDemo (master)

$ cat log/debug.log

Log Data

mylav@ajay MINGW64 ~/GitDemo (master)

$ git status

On branch master

Your branch is up to date with 'origin/master'.

Untracked files:

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

.gitignore

log/

test.log

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

mylav@ajay MINGW64 ~/GitDemo (master)

$ notepad++.gitignore

bash: notepad++.gitignore: command not found

mylav@ajay MINGW64 ~/GitDemo (master)

$ notepad++ .gitignore

mylav@ajay MINGW64 ~/GitDemo (master)

$ git add .gitignore

mylav@ajay MINGW64 ~/GitDemo (master)

$ git commit -m "Add .gitignore to ignore log files and folder"

[master fa7af04] Add .gitignore to ignore log files and folder

1 file changed, 2 insertions(+)

create mode 100644 .gitignore

mylav@ajay MINGW64 ~/GitDemo (master)

$ git status

On branch master

Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

mylav@ajay MINGW64 ~/GitDemo (master)

$ git push origin master

warning: redirecting to https://gitlab.com/mylavarapuajay49-group/gitdemo.git/

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 8 threads

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

Writing objects: 100% (3/3), 324 bytes | 324.00 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/mylavarapuajay49-group/GitDemo/-/merge\_requests/new?merge\_request%5Bsource\_branch%5D=master

remote:

To https://gitlab.com/mylavarapuajay49-group/gitdemo

d2d755e..fa7af04 master -> master

------------------------------3-----------------------------------------

mylav@ajay MINGW64 ~/GitDemo (master)

$ git branch GitNewBranch

mylav@ajay MINGW64 ~/GitDemo (master)

$ git branch GitNewBranch \*main

fatal: a branch named 'GitNewBranch' already exists

mylav@ajay MINGW64 ~/GitDemo (master)

$ git checkout GitNewBranch

Switched to branch 'GitNewBranch'

mylav@ajay MINGW64 ~/GitDemo (GitNewBranch)

$ echo "This file was created in GitNewBranch"> branchfile.txt

mylav@ajay MINGW64 ~/GitDemo (GitNewBranch)

$ git add branchfile.txt

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

mylav@ajay MINGW64 ~/GitDemo (GitNewBranch)

$ git commit -m "Added branchfile in GitNewBranch"

[GitNewBranch ad5921a] Added branchfile in GitNewBranch

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

mylav@ajay MINGW64 ~/GitDemo (GitNewBranch)

$ git status

On branch GitNewBranch

nothing to commit, working tree clean

mylav@ajay MINGW64 ~/GitDemo (GitNewBranch)

$ git checkout main

error: pathspec 'main' did not match any file(s) known to git

mylav@ajay MINGW64 ~/GitDemo (GitNewBranch)

$ git checkout master

Switched to branch 'master'

Your branch is up to date with 'origin/master'.

mylav@ajay MINGW64 ~/GitDemo (master)

$ git diff GitNewBranch

**diff --git a/branchfile.txt b/branchfile.txt**

**deleted file mode 100644**

**index 542dab3..0000000**

**--- a/branchfile.txt**

**+++ /dev/null**

@@ -1 +0,0 @@

-This file was created in GitNewBranch

mylav@ajay MINGW64 ~/GitDemo (master)

$ git merge GitNewBranch

Updating fa7af04..ad5921a

Fast-forward

branchfile.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

mylav@ajay MINGW64 ~/GitDemo (master)

$ git log --online --graph --decorate

fatal: unrecognized argument: --online

mylav@ajay MINGW64 ~/GitDemo (master)

$ git log --oneline --graph --decorate

\* ad5921a (**HEAD** -> **master**, **GitNewBranch**) Added branchfile in GitNewBranch

\* fa7af04 (**origin/master**) Add .gitignore to ignore log files and folder

\* d2d755e Completed git configuration

mylav@ajay MINGW64 ~/GitDemo (master)

$ git push origin master

warning: redirecting to https://gitlab.com/mylavarapuajay49-group/gitdemo.git/

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 8 threads

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

Writing objects: 100% (3/3), 383 bytes | 383.00 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/mylavarapuajay49-group/GitDemo/-/merge\_requests/new?merge\_request%5Bsource\_branch%5D=master

remote:

To https://gitlab.com/mylavarapuajay49-group/gitdemo

fa7af04..ad5921a master -> master

mylav@ajay MINGW64 ~/GitDemo (master)

$ git branch -d GitNewBranch

Deleted branch GitNewBranch (was ad5921a).

mylav@ajay MINGW64 ~/GitDemo (master)

$ git status

On branch master

Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

-----------------------4-----------------------------

mylav@ajay MINGW64 ~/GitDemo (master)

$ git status

On branch master

Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

mylav@ajay MINGW64 ~/GitDemo (master)

$ git checkout -b GitWork

Switched to a new branch 'GitWork'

mylav@ajay MINGW64 ~/GitDemo (GitWork)

$ echo "<hello>initial content from GitWork</hello>">hello.xml

mylav@ajay MINGW64 ~/GitDemo (GitWork)

$ git add hello.xml

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

mylav@ajay MINGW64 ~/GitDemo (GitWork)

$ git commit -m "Add hello.xml in GitWork branch"

[GitWork e15347b] Add hello.xml in GitWork branch

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

mylav@ajay MINGW64 ~/GitDemo (GitWork)

$ echo "<hello>Updated content in GitWork</hello>" > hello.xml

mylav@ajay MINGW64 ~/GitDemo (GitWork)

$ git status

On branch GitWork

Changes not staged for commit:

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

(use "git restore <file>..." to discard changes in working directory)

modified: hello.xml

no changes added to commit (use "git add" and/or "git commit -a")

mylav@ajay MINGW64 ~/GitDemo (GitWork)

$ git add hello.xml

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

mylav@ajay MINGW64 ~/GitDemo (GitWork)

$ git commit -m "Update hello.xml in GitWork branch"

[GitWork fa84d42] Update hello.xml in GitWork branch

1 file changed, 1 insertion(+), 1 deletion(-)

mylav@ajay MINGW64 ~/GitDemo (GitWork)

$ git checkout master

Switched to branch 'master'

Your branch is up to date with 'origin/master'.

mylav@ajay MINGW64 ~/GitDemo (master)

$ echo "<hello>Content from main branch</hello>">hello.xml

mylav@ajay MINGW64 ~/GitDemo (master)

$ git add hello.xml

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

mylav@ajay MINGW64 ~/GitDemo (master)

$ git commit -m "Add hello.xml in main branch"

[master 979d4c1] Add hello.xml in main branch

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

mylav@ajay MINGW64 ~/GitDemo (master)

$ git log --oneline --graph --decorate -all

error: switch `l' expects a numerical value

mylav@ajay MINGW64 ~/GitDemo (master)

$ git log --oneline --graph --decorate --all

\* 979d4c1 (**HEAD** -> **master**) Add hello.xml in main branch

| \* fa84d42 (**GitWork**) Update hello.xml in GitWork branch

| \* e15347b Add hello.xml in GitWork branch

|/

\* ad5921a (**origin/master**) Added branchfile in GitNewBranch

\* fa7af04 Add .gitignore to ignore log files and folder

\* d2d755e Completed git configuration

mylav@ajay MINGW64 ~/GitDemo (master)

$ git diff main GitWork --hello.xml

fatal: ambiguous argument 'main': unknown revision or path not in the working tree.

Use '--' to separate paths from revisions, like this:

'git <command> [<revision>...] -- [<file>...]'

mylav@ajay MINGW64 ~/GitDemo (master)

$ code hello.xml

mylav@ajay MINGW64 ~/GitDemo (master)

$ rm .hello.xml.swp .hello\_LOCAL\_2315.xml.swp .hello\_REMOTE\_2315.xml.swp hello\_BACKUP\_2315.xml hello\_BASE\_2315.xml hello\_LOCAL\_2315.xml hello\_REMOTE\_2315.xml

rm: cannot remove '.hello.xml.swp': No such file or directory

rm: cannot remove '.hello\_LOCAL\_2315.xml.swp': No such file or directory

rm: cannot remove '.hello\_REMOTE\_2315.xml.swp': No such file or directory

rm: cannot remove 'hello\_BACKUP\_2315.xml': No such file or directory

rm: cannot remove 'hello\_BASE\_2315.xml': No such file or directory

rm: cannot remove 'hello\_LOCAL\_2315.xml': No such file or directory

rm: cannot remove 'hello\_REMOTE\_2315.xml': No such file or directory

mylav@ajay MINGW64 ~/GitDemo (master)

$ git add hello.xml

mylav@ajay MINGW64 ~/GitDemo (master)

$ git commit -m "Resolved merge conflict"

On branch master

Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

mylav@ajay MINGW64 ~/GitDemo (master)

$ git status

On branch master

Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

mylav@ajay MINGW64 ~/GitDemo (master)

$ echo "\*\_BACKUP\_\*" >>.gitignore

mylav@ajay MINGW64 ~/GitDemo (master)

$ git add .gitignore

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

mylav@ajay MINGW64 ~/GitDemo (master)

$ git commit -m "Add backup files to gitignore"

[master 47cf78b] Add backup files to gitignore

1 file changed, 1 insertion(+)

mylav@ajay MINGW64 ~/GitDemo (master)

$ git branch

GitWork

\* master

mylav@ajay MINGW64 ~/GitDemo (master)

$ git branch -D GitWork

Deleted branch GitWork (was fa84d42).

-------------------------5--------------------------------

mylav@ajay MINGW64 ~/GitDemo (master)

$ git status

On branch master

Your branch is ahead of 'origin/master' by 2 commits.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

mylav@ajay MINGW64 ~/GitDemo (master)

$ git branch

\* master

mylav@ajay MINGW64 ~/GitDemo (master)

$ git branch -a

\* master

remotes/origin/master

mylav@ajay MINGW64 ~/GitDemo (master)

$ git pull origin master

warning: redirecting to https://gitlab.com/mylavarapuajay49-group/gitdemo.git/

From https://gitlab.com/mylavarapuajay49-group/gitdemo

\* branch master -> FETCH\_HEAD

Already up to date.

mylav@ajay MINGW64 ~/GitDemo (master)

$ git push origin master

warning: redirecting to https://gitlab.com/mylavarapuajay49-group/gitdemo.git/

Enumerating objects: 8, done.

Counting objects: 100% (8/8), done.

Delta compression using up to 8 threads

Compressing objects: 100% (4/4), done.

Writing objects: 100% (6/6), 687 bytes | 343.00 KiB/s, done.

Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)

remote:

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

remote: https://gitlab.com/mylavarapuajay49-group/GitDemo/-/merge\_requests/new?merge\_request%5Bsource\_branch%5D=master

remote:

To https://gitlab.com/mylavarapuajay49-group/gitdemo

ad5921a..47cf78b master -> master