GIT Version

MonishaDevi@DESKTOP-U8J1M3C MINGW64 ~

$ git --version

git version 2.27.0.windows.1

Configure GIT in Local Machine

MonishaDevi@DESKTOP-U8J1M3C MINGW64 ~

$ git config --global user.name "monishanandhakumar””

MonishaDevi@DESKTOP-U8J1M3C MINGW64 ~

$ cd d:

Navigation to folder in d drive

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d

$ cd G

GitExample/ Gmail - redBus Ticket - TMAN73157691.pdf

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d

$ cd GitExample/

Initialize git to local folder

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample

$ git init

Initialized empty Git repository in D:/GitExample/.git/

Adding files

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git add WelcomeMsg.txt

Checking Status of added file

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git status

On branch master

No commits yet

Changes to be committed:

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

new file: WelcomeMsg.txt

Commiting the file to stage

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git commit -m "Adding One txt file"

[master (root-commit) e2963c2] Adding One txt file

1 file changed, 1 insertion(+)

create mode 100644 WelcomeMsg.txt

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git status

On branch master

nothing to commit, working tree clean

Adding to remote git repository

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git remote add origin master https://github.com/monishanandhakumar/.Net873Gitdemo.gitusage: git remote add [<options>] <name> <url>

-f, --fetch fetch the remote branches

--tags import all tags and associated objects when fetching

or do not fetch any tag at all (--no-tags)

-t, --track <branch> branch(es) to track

-m, --master <branch>

master branch

--mirror[=(push|fetch)]

set up remote as a mirror to push to or fetch from

Connecting local with remote (git server) repo

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git remote add origin https://github.com/monishanandhakumar/.Net873Gitdemo.git

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git remote -v

origin https://github.com/monishanandhakumar/.Net873Gitdemo.git (fetch)

origin https://github.com/monishanandhakumar/.Net873Gitdemo.git (push)

Pushing from local to remote git repo

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git push -u origin master

Enumerating objects: 3, done.

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

Writing objects: 100% (3/3), 247 bytes | 247.00 KiB/s, done.

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

To https://github.com/monishanandhakumar/.Net873Gitdemo.git

\* [new branch] master -> master

Branch 'master' set up to track remote branch 'master' from 'origin'.

**After making changes pulling from remote git to local machine**

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/GitExample (master)

$ git pull origin master

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

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

Unpacking objects: 100% (3/3), 672 bytes | 32.00 KiB/s, done.

From https://github.com/monishanandhakumar/.Net873Gitdemo

\* branch master -> FETCH\_HEAD

e2963c2..c0d211f master -> origin/master

Updating e2963c2..c0d211f

Fast-forward

WelcomeMsg.txt | 5 ++++-

1 file changed, 4 insertions(+), 1 deletion(-)

Branching

MonishaDevi@DESKTOP-U8J1M3C MINGW64 ~

$ cd d

bash: cd: d: No such file or directory

MonishaDevi@DESKTOP-U8J1M3C MINGW64 ~

$ d/

bash: d/: No such file or directory

MonishaDevi@DESKTOP-U8J1M3C MINGW64 ~

$ cd d:

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d

$ cd O

Online Training/ Organization/

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d

$ cd LTI/

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI

$ git init

Initialized empty Git repository in D:/LTI/.git/

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git add .

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git commit -m "LTI info"

[master (root-commit) 61542a0] LTI info

1 file changed, 4 insertions(+)

create mode 100644 LTIinfo.txt

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git remote add origin master https://github.com/monishanandhakumar/.net873Branching.git

usage: git remote add [<options>] <name> <url>

-f, --fetch fetch the remote branches

--tags import all tags and associated objects when fetching

or do not fetch any tag at all (--no-tags)

-t, --track <branch> branch(es) to track

-m, --master <branch>

master branch

--mirror[=(push|fetch)]

set up remote as a mirror to push to or fetch from

Creating Local branch

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git branch emp\_chennai

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ ls

LTIinfo.txt

**Switching between branches**

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git checkout emp\_chennai

Switched to branch 'emp\_chennai'

**Add new file in the branch or make changes in the file**

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (emp\_chennai)

$ ls

Employeeinfo\_ch.txt LTIinfo.txt

Adding new file in branch

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (emp\_chennai)

$ git add .

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (emp\_chennai)

$ git status

On branch emp\_chennai

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: Employeeinfo\_ch.txt

Commiting changes in branch

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (emp\_chennai)

$ git commit -m "chennai emp details added"

[emp\_chennai fa5456c] chennai emp details added

1 file changed, 8 insertions(+)

create mode 100644 Employeeinfo\_ch.txt

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (emp\_chennai)

$ git checkout master

Switched to branch 'master'

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ ls

LTIinfo.txt

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git remote add origin https://github.com/monishanandhakumar/.net873Branching.git

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git push -u origin master

Enumerating objects: 3, done.

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

Writing objects: 100% (3/3), 270 bytes | 270.00 KiB/s, done.

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

To https://github.com/monishanandhakumar/.net873Branching.git

\* [new branch] master -> master

Branch 'master' set up to track remote branch 'master' from 'origin'.

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git checkout emp\_chennai

Switched to branch 'emp\_chennai'

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git push -u origin emp\_chennai

Enumerating objects: 4, done.

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

Delta compression using up to 8 threads

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

Writing objects: 100% (3/3), 343 bytes | 343.00 KiB/s, done.

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

remote:

remote: Create a pull request for 'emp\_chennai' on GitHub by visiting:

remote: https://github.com/monishanandhakumar/.net873Branching/pull/new/emp\_chennai

remote:

To https://github.com/monishanandhakumar/.net873Branching.git

\* [new branch] emp\_chennai -> emp\_chennai

Branch 'emp\_chennai' set up to track remote branch 'emp\_chennai' from 'origin'.

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$

**Merging and Deleting the branch**

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git merge emp\_chennai

Updating 61542a0..fa5456c

Fast-forward

Employeeinfo\_ch.txt | 8 ++++++++

1 file changed, 8 insertions(+)

create mode 100644 Employeeinfo\_ch.txt

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ ls

Employeeinfo\_ch.txt LTIinfo.txt

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git push -u origin master

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

To https://github.com/monishanandhakumar/.net873Branching.git

61542a0..fa5456c master -> master

Branch 'master' set up to track remote branch 'master' from 'origin'.

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git branch -d emp\_chennai

Deleted branch emp\_chennai (was fa5456c).

MonishaDevi@DESKTOP-U8J1M3C MINGW64 /d/LTI (master)

$ git push origin --delete emp\_chennai

To https://github.com/monishanandhakumar/.net873Branching.git

- [deleted] emp\_chennai

TO pull unrelated information

>git pull origin1 master --allow-unrelated-histories