**Aim -** Demonstration of various git operations on local and remote

repository using git cheat-sheet.

**Theory –**

Some git commands are –

**git --version**: Displays the installed version of Git.

**mkdir <dir name>:** Creates a new directory named.

**git init :** Initialize the new git repository in the current directory.

**nano <file name> :** Opens the nano text editor to create or edit the file.

**git status :** Shows the status of the working directory and staging area, including untracked files.

**git add –all :** Adds all changes in the working directory to the staging area.

**git commit -m "some message" :** Commits the staged changes with the some message.

**git remote add origin <url> :** Adds a remote repository named origin with the specified URL.

**git push -u origin main :** Pushes the committed changes to the main branch of the remote repository and sets the upstream branch.

**git log :** Displays the commit history.

**ls :** Lists the files in the current directory.

**git rm --cached <file name>:** Removes the file from the staging area but keeps it in the working directory.

**Program –**

disha@disha\_2005 MINGW64 ~

$ cd OneDrive/Desktop/CODING/git\_github

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github

$ git --version

git version 2.42.0.windows.2

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github

$ mkdir mywebpage

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github

$ cd mywebpage

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage

$ git init

Initialized empty Git repository in C:/Users/disha/OneDrive/Desktop/CODING/git\_github/mywebpage/.git/

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git config --global user.email "vu4f2223024@pvppcoe.ac.in"

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ 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

core.fsmonitor=true

pull.rebase=false

credential.helper=manager

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

init.defaultbranch=master

user.name=disha

user.email=vu4f2223024@pvppcoe.ac.in

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

core.editor=notepad

color.ui=false

core.repositoryformatversion=0

core.filemode=false

core.bare=false

core.logallrefupdates=true

core.symlinks=false

core.ignorecase=true

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ notepad abc.txt &

[1] 1832

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git add abc.txt

[1]+ Done notepad abc.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

No commits yet

Changes to be committed:

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

new file: abc.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git commit -m "Hello World!"

[master (root-commit) 6f18bb0] Hello World!

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 abc.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ notepad myschool.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ notepad mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Untracked files:

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

mycollege.txt

myschool.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git init

Reinitialized existing Git repository in C:/Users/disha/OneDrive/Desktop/CODING/git\_github/mywebpage/.git/

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Untracked files:

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

mycollege.txt

myschool.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git add .

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Changes to be committed:

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

new file: mycollege.txt

new file: myschool.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git commit -a -m "added 2 files"

[master d62a0c3] added 2 files

2 files changed, 0 insertions(+), 0 deletions(-)

create mode 100644 mycollege.txt

create mode 100644 myschool.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log

commit d62a0c3dfce3970f32024310b1f25013ce85b614 (HEAD -> master)

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:56:36 2024 +0530

added 2 files

commit 6f18bb09de185426348543231c597d828ad6f18d

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:53:56 2024 +0530

Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git rm --cached mycollege.txt

rm 'mycollege.txt'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Changes to be committed:

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

deleted: mycollege.txt

Untracked files:

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

mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ rm mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ ls

abc.txt myschool.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git commit -am "Deleted file mycollege.txt"

[master efc1a84] Deleted file mycollege.txt

1 file changed, 0 insertions(+), 0 deletions(-)

delete mode 100644 mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log

commit efc1a84666314b85425ba25316007ff083145d89 (HEAD -> master)

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:58:00 2024 +0530

Deleted file mycollege.txt

commit d62a0c3dfce3970f32024310b1f25013ce85b614

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:56:36 2024 +0530

added 2 files

commit 6f18bb09de185426348543231c597d828ad6f18d

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:53:56 2024 +0530

Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

efc1a84 (HEAD -> master) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout d628a0c3^C

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout d62a0c3 --mycollege.txt

error: unknown option `mycollege.txt'

usage: git checkout [<options>] <branch>

or: git checkout [<options>] [<branch>] -- <file>...

-b <branch> create and checkout a new branch

-B <branch> create/reset and checkout a branch

-l create reflog for new branch

--guess second guess 'git checkout <no-such-branch>' (default)

--overlay use overlay mode (default)

-q, --quiet suppress progress reporting

--recurse-submodules[=<checkout>]

control recursive updating of submodules

--progress force progress reporting

-m, --merge perform a 3-way merge with the new branch

--conflict <style> conflict style (merge, diff3, or zdiff3)

-d, --detach detach HEAD at named commit

-t, --track[=(direct|inherit)]

set branch tracking configuration

-f, --force force checkout (throw away local modifications)

--orphan <new-branch> new unparented branch

--overwrite-ignore update ignored files (default)

--ignore-other-worktrees

do not check if another worktree is holding the given ref

-2, --ours checkout our version for unmerged files

-3, --theirs checkout their version for unmerged files

-p, --patch select hunks interactively

--ignore-skip-worktree-bits

do not limit pathspecs to sparse entries only

--pathspec-from-file <file>

read pathspec from file

--pathspec-file-nul with --pathspec-from-file, pathspec elements are separated with NUL character

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout d62a0c3 -- mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Changes to be committed:

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

new file: mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout .

Updated 0 paths from the index

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Changes to be committed:

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

new file: mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log

commit efc1a84666314b85425ba25316007ff083145d89 (HEAD -> master)

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:58:00 2024 +0530

Deleted file mycollege.txt

commit d62a0c3dfce3970f32024310b1f25013ce85b614

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:56:36 2024 +0530

added 2 files

commit 6f18bb09de185426348543231c597d828ad6f18d

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:53:56 2024 +0530

Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout efc1a84

Note: switching to 'efc1a84'.

You are in 'detached HEAD' state. You can look around, make experimental

changes and commit them, and you can discard any commits you make in this

state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may

do so (now or later) by using -c with the switch command. Example:

git switch -c <new-branch-name>

Or undo this operation with:

git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at efc1a84 Deleted file mycollege.txt

A mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage ((efc1a84...))

$ ls

abc.txt mycollege.txt myschool.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage ((efc1a84...))

$ git log

commit efc1a84666314b85425ba25316007ff083145d89 (HEAD, master)

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:58:00 2024 +0530

Deleted file mycollege.txt

commit d62a0c3dfce3970f32024310b1f25013ce85b614

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:56:36 2024 +0530

added 2 files

commit 6f18bb09de185426348543231c597d828ad6f18d

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:53:56 2024 +0530

Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage ((efc1a84...))

$ git checkout master

Switched to branch 'master'

A mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git reset --hard efc1a84

HEAD is now at efc1a84 Deleted file mycollege.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout master

Already on 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git reflog

efc1a84 (HEAD -> master) HEAD@{0}: checkout: moving from master to master

efc1a84 (HEAD -> master) HEAD@{1}: reset: moving to efc1a84

efc1a84 (HEAD -> master) HEAD@{2}: checkout: moving from efc1a84666314b85425ba25316007ff083145d89 to master

efc1a84 (HEAD -> master) HEAD@{3}: checkout: moving from master to efc1a84

efc1a84 (HEAD -> master) HEAD@{4}: commit: Deleted file mycollege.txt

d62a0c3 HEAD@{5}: commit: added 2 files

6f18bb0 HEAD@{6}: commit (initial): Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git diff HEAD HEAD~

diff --git a/mycollege.txt b/mycollege.txt

new file mode 100644

index 0000000..e69de29

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

efc1a84 (HEAD -> master) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git show HEAD

commit efc1a84666314b85425ba25316007ff083145d89 (HEAD -> master)

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:58:00 2024 +0530

Deleted file mycollege.txt

diff --git a/mycollege.txt b/mycollege.txt

deleted file mode 100644

index e69de29..0000000

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

efc1a84 (HEAD -> master) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ notepad myhistory.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git commit -am "added content in myhistory.txt"

On branch master

Untracked files:

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

myhistory.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git tag -a v2.2 -m "my version 2.2"

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git tag

v2.2

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git show v2.2

tag v2.2

Tagger: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 01:07:00 2024 +0530

my version 2.2

commit efc1a84666314b85425ba25316007ff083145d89 (HEAD -> master, tag: v2.2)

Author: disha <vu4f2223024@pvppcoe.ac.in>

Date: Tue Jul 30 00:58:00 2024 +0530

Deleted file mycollege.txt

diff --git a/mycollege.txt b/mycollege.txt

deleted file mode 100644

index e69de29..0000000

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git tag v1.2 -a ff0240a -m "my version 1.2"

fatal: Failed to resolve 'ff0240a' as a valid ref.

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

efc1a84 (HEAD -> master, tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git tag v1.2 -a d62a0c3 -m "my version 1.2"

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git tag

v1.2

v2.2

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline --decorate

efc1a84 (HEAD -> master, tag: v2.2) Deleted file mycollege.txt

d62a0c3 (tag: v1.2) added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git tag -d v1.2

Deleted tag 'v1.2' (was 9ec31bb)

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git tag

v2.2

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

efc1a84 (HEAD -> master, tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch

\* master

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch new-chapter

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch

\* master

new-chapter

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout new-chapter

Switched to branch 'new-chapter'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ notepad story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ git add story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ git commit -m "adding story.txt file in

new-chapter branch"

[new-chapter 1f93f96] adding story.txt file in new-chapter branch

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ git log --oneline

1f93f96 (HEAD -> new-chapter) adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2, master) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ git checkout master

Switched to branch 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

efc1a84 (HEAD -> master, tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ ls -a

./ ../ .git/ abc.txt myhistory.txt myschool.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ notepad story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Untracked files:

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

myhistory.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ notepad story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Untracked files:

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

myhistory.txt

story.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout master

Already on 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout --force master

Already on 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout new-chapter

error: The following untracked working tree files would be overwritten by checkout:

story.txt

Please move or remove them before you switch branches.

Aborting

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout --force new-chapter

Switched to branch 'new-chapter'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ git branch chapter-two

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ git checkout chapter-two

Switched to branch 'chapter-two'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ notepad newfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git add newfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git status

On branch chapter-two

Changes to be committed:

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

new file: newfile.txt

Untracked files:

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

myhistory.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git commit -m "Newfile.txt added in

chapter-two branch"

[chapter-two 888293b] Newfile.txt added in chapter-two branch

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 newfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git checkout master

Switched to branch 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

efc1a84 (HEAD -> master, tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch

chapter-two

\* master

new-chapter

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

efc1a84 (HEAD -> master, tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout new-chapter

Switched to branch 'new-chapter'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ git log --oneline

1f93f96 (HEAD -> new-chapter) adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2, master) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (new-chapter)

$ git checkout master

Switched to branch 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git merge new-chapter

Updating efc1a84..1f93f96

Fast-forward

story.txt | 0

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

1f93f96 (HEAD -> master, new-chapter) adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git merge master

Already up to date.

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout master

Already on 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch -d new-chapter

Deleted branch new-chapter (was 1f93f96).

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch

chapter-two

\* master

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout chapter-two

Switched to branch 'chapter-two'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git log --oneline

888293b (HEAD -> chapter-two) Newfile.txt added in chapter-two branch

1f93f96 (master) adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git merge master

Already up to date.

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git log --oneline

888293b (HEAD -> chapter-two) Newfile.txt added in chapter-two branch

1f93f96 (master) adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git checkout chapter-two

Already on 'chapter-two'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git log --oneline

888293b (HEAD -> chapter-two) Newfile.txt added in chapter-two branch

1f93f96 (master) adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-two)

$ git checkout master

Switched to branch 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

1f93f96 (HEAD -> master) adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git merge chapter-two

Updating 1f93f96..888293b

Fast-forward

newfile.txt | 0

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 newfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git log --oneline

888293b (HEAD -> master, chapter-two) Newfile.txt added in chapter-two branch

1f93f96 adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git merge chapter-two

Already up to date.

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch -d chapter-two

Deleted branch chapter-two (was 888293b).

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch

\* master

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch chapter-three

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git branch

chapter-three

\* master

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout chapter-three

Switched to branch 'chapter-three'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ notepad latestfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git add latestfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git commit -am "latestfile.txt added in

chapter-three branch"

[chapter-three 50f5be7] latestfile.txt added in chapter-three branch

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 latestfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git log --oneline

50f5be7 (HEAD -> chapter-three) latestfile.txt added in chapter-three branch

888293b (master) Newfile.txt added in chapter-two branch

1f93f96 adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ ls

abc.txt latestfile.txt myhistory.txt myschool.txt newfile.txt story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ notepad latestfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git status

On branch chapter-three

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: latestfile.txt

Untracked files:

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

myhistory.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git checkout master

error: Your local changes to the following files would be overwritten by checkout:

latestfile.txt

Please commit your changes or stash them before you switch branches.

Aborting

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git checkout –force master

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

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git checkout –-force master

error: pathspec '–-force' did not match any file(s) known to git

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git branch

\* chapter-three

master

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git checkout –-force master

error: pathspec '–-force' did not match any file(s) known to git

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git checkout master

error: Your local changes to the following files would be overwritten by checkout:

latestfile.txt

Please commit your changes or stash them before you switch branches.

Aborting

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git checkout --force master

Switched to branch 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git stash save "stashed latestfile.txt"

No local changes to save

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git status

On branch master

Untracked files:

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

myhistory.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout master

Already on 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git checkout chapter-three

Switched to branch 'chapter-three'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ notepad story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash

Saved working directory and index state WIP on chapter-three: 50f5be7 latestfile.txt added in chapter-three branch

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git log --oneline

50f5be7 (HEAD -> chapter-three) latestfile.txt added in chapter-three branch

888293b (master) Newfile.txt added in chapter-two branch

1f93f96 adding story.txt file in new-chapter branch

efc1a84 (tag: v2.2) Deleted file mycollege.txt

d62a0c3 added 2 files

6f18bb0 Hello World!

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash list

stash@{0}: WIP on chapter-three: 50f5be7 latestfile.txt added in chapter-three branch

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ notepad myhistory.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash save "stashed myhistory.txt"

No local changes to save

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash list

stash@{0}: WIP on chapter-three: 50f5be7 latestfile.txt added in chapter-three branch

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git diff stash@{0}

diff --git a/story.txt b/story.txt

index 9cf3a7a..e69de29 100644

--- a/story.txt

+++ b/story.txt

@@ -1 +0,0 @@

-Story

\ No newline at end of file

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash apply stash@{0}

On branch chapter-three

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: story.txt

Untracked files:

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

myhistory.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash list

stash@{0}: WIP on chapter-three: 50f5be7 latestfile.txt added in chapter-three branch

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash drop stash@{0}

Dropped stash@{0} (b673397e6b278443bd97519acbf6bbf16adc1ddc)

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash list

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ notepad myhistory.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash list

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash pop

No stash entries found.

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash clear

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash list

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ notepad latestfile.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git checkout master

error: Your local changes to the following files would be overwritten by checkout:

latestfile.txt

Please commit your changes or stash them before you switch branches.

Aborting

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ notepad myhistory.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash save "stashed myhistory.txt"

Saved working directory and index state On chapter-three: stashed myhistory.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ notepad story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash save "stashed story.txt"

Saved working directory and index state On chapter-three: stashed story.txt

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash show

story.txt | 1 +

1 file changed, 1 insertion(+)

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git stash show stash@{1}

latestfile.txt | 1 +

story.txt | 1 +

2 files changed, 2 insertions(+)

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git remote add origin https://github.com/DishaHolmukhe/Devops.git

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (chapter-three)

$ git checkout master

Switched to branch 'master'

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git remote add origin https://github.com/DishaHolmukhe/Devops.git

error: remote origin already exists.

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git push -u origin master

Enumerating objects: 11, done.

Counting objects: 100% (11/11), done.

Delta compression using up to 8 threads

Compressing objects: 100% (9/9), done.

Writing objects: 100% (11/11), 1021 bytes | 255.00 KiB/s, done.

Total 11 (delta 3), reused 0 (delta 0), pack-reused 0

remote: Resolving deltas: 100% (3/3), done.

To https://github.com/DishaHolmukhe/Devops.git

\* [new branch] master -> master

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git commit -m "First commit"

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)

myhistory.txt

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

disha@disha\_2005 MINGW64 ~/OneDrive/Desktop/CODING/git\_github/mywebpage (master)

$ git reflog

888293b (HEAD -> master, origin/master) HEAD@{0}: checkout: moving from chapter-three to master

50f5be7 (chapter-three) HEAD@{1}: reset: moving to HEAD

50f5be7 (chapter-three) HEAD@{2}: reset: moving to HEAD

50f5be7 (chapter-three) HEAD@{3}: reset: moving to HEAD

50f5be7 (chapter-three) HEAD@{4}: checkout: moving from master to chapter-three

888293b (HEAD -> master, origin/master) HEAD@{5}: checkout: moving from master to master

888293b (HEAD -> master, origin/master) HEAD@{6}: checkout: moving from chapter-three to master

50f5be7 (chapter-three) HEAD@{7}: commit: latestfile.txt added in

888293b (HEAD -> master, origin/master) HEAD@{8}: checkout: moving from master to chapter-three

888293b (HEAD -> master, origin/master) HEAD@{9}: merge chapter-two: Fast-forward

1f93f96 HEAD@{10}: checkout: moving from chapter-two to master

888293b (HEAD -> master, origin/master) HEAD@{11}: checkout: moving from chapter-two to chapter-two

888293b (HEAD -> master, origin/master) HEAD@{12}: checkout: moving from master to chapter-two

1f93f96 HEAD@{13}: checkout: moving from master to master

1f93f96 HEAD@{14}: merge new-chapter: Fast-forward

efc1a84 (tag: v2.2) HEAD@{15}: checkout: moving from new-chapter to master

1f93f96 HEAD@{16}: checkout: moving from master to new-chapter

efc1a84 (tag: v2.2) HEAD@{17}: checkout: moving from chapter-two to master

888293b (HEAD -> master, origin/master) HEAD@{18}: commit: Newfile.txt added in

1f93f96 HEAD@{19}: checkout: moving from new-chapter to chapter-two

1f93f96 HEAD@{20}: checkout: moving from master to new-chapter

efc1a84 (tag: v2.2) HEAD@{21}: checkout: moving from master to master

efc1a84 (tag: v2.2) HEAD@{22}: checkout: moving from master to master

efc1a84 (tag: v2.2) HEAD@{23}: checkout: moving from new-chapter to master

1f93f96 HEAD@{24}: commit: adding story.txt file in

efc1a84 (tag: v2.2) HEAD@{25}: checkout: moving from master to new-chapter

efc1a84 (tag: v2.2) HEAD@{26}: checkout: moving from master to master

efc1a84 (tag: v2.2) HEAD@{27}: reset: moving to efc1a84

efc1a84 (tag: v2.2) HEAD@{28}: checkout: moving from efc1a84666314b85425ba25316007ff083145d89 to master

efc1a84 (tag: v2.2) HEAD@{29}: checkout: moving from master to efc1a84

efc1a84 (tag: v2.2) HEAD@{30}: commit: Deleted file mycollege.txt

d62a0c3 HEAD@{31}: commit: added 2 files

6f18bb0 HEAD@{32}: commit (initial): Hello World!

**Conclusion –** Successfullyperform thedemonstration of various git operations on local and remote repository using git cheat-sheet.