**CREATING A REMOTE REPOSITORY IN GIT**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~

$ cd Desktop/web-dev/story/

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story

$ ls

chapter1.txt // **created a file chap.1**

1. **Initialize git**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story

$ git init

Initialized empty Git repository in C:/Users/Dell/Desktop/web-dev/story/.git/

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ ls -a

./ ../ .chapter1.txt.swp .git/ chapter1.txt

1. **Checking git status**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git status

On branch master

No commits yet

Untracked files:

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

chapter1.txt

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

**3.adding files to git**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git add chapter1.txt

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git status

On branch master

No commits yet

Changes to be committed:

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

new file: chapter1.txt

**5. commit the file**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git commit -m "complete chapter 1"

[master (root-commit) 4090781] complete chapter 1

1 file changed, 1 insertion(+)

create mode 100644 chapter1.txt

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git log

commit 40907812b5f81ec7186d412116c9a98c24991580 (HEAD -> master)

Author: akhil janagam <janagamakhil1997@gmail.com>

Date: Sat Dec 26 15:36:20 2020 +0530

complete chapter 1

**6. created new files**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ touch chapter2.txt

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ touch cha[ter3.txt

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ ls

'cha[ter3.txt' chapter1.txt chapter2.txt

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ rm cha\[ter3.txt

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ ls

chapter1.txt chapter2.txt

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ touch chapter3.txt

7**. add to git**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git add .

**Check status**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git status

On branch master

Changes to be committed:

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

new file: chapter2.txt

new file: chapter3.txt

8.  **commit new files**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git commit -m "complete chapter 2 and 3"

[master e44ab6d] complete chapter 2 and 3

2 files changed, 1 insertion(+)

create mode 100644 chapter2.txt

create mode 100644 chapter3.txt

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git log

commit e44ab6db4558d4cadb659b41fd9350f4d1b68105 (HEAD -> master)

Author: akhil janagam <janagamakhil1997@gmail.com>

Date: Sat Dec 26 15:41:31 2020 +0530

complete chapter 2 and 3

commit 40907812b5f81ec7186d412116c9a98c24991580

Author: akhil janagam <janagamakhil1997@gmail.com>

Date: Sat Dec 26 15:36:20 2020 +0530

complete chapter 1

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git status

On branch master

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: chapter2.txt

modified: chapter3.txt

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

9**. checking differences in the files (if any changes are made)**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git diff

diff --git a/chapter2.txt b/chapter2.txt

index e69de29..4178fe4 100644

--- a/chapter2.txt

+++ b/chapter2.txt

@@ -0,0 +1 @@

+**It was the age of wisdom,it was the age of foolishness**. // here text has changed form empty to new

\ No newline at end of file

diff --git a/chapter3.txt b/chapter3.txt

index 6273dd6..2e1d225 100644

--- a/chapter3.txt

+++ b/chapter3.txt

@@ -1 +1 @@

**-It was a spring of hope, it was the winter of despair**. // text has changed to below line (we have changed earlier)

\ No newline at end of file

**+asdgh hjfnc fadfbasdfhwd jdfvasfbjhanc sddfdsln**

\ No newline at end of file

**10.checkout the path**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git checkout chapter3.txt

Updated 1 path from the index

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git log

commit e44ab6db4558d4cadb659b41fd9350f4d1b68105 (HEAD -> master)

Author: akhil janagam <janagamakhil1997@gmail.com>

Date: Sat Dec 26 15:41:31 2020 +0530

complete chapter 2 and 3

commit 40907812b5f81ec7186d412116c9a98c24991580

Author: akhil janagam <janagamakhil1997@gmail.com>

Date: Sat Dec 26 15:36:20 2020 +0530

complete chapter 1

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git log

commit e44ab6db4558d4cadb659b41fd9350f4d1b68105 (HEAD -> master)

Author: akhil janagam <janagamakhil1997@gmail.com>

Date: Sat Dec 26 15:41:31 2020 +0530

complete chapter 2 and 3

commit 40907812b5f81ec7186d412116c9a98c24991580

Author: akhil janagam <janagamakhil1997@gmail.com>

Date: Sat Dec 26 15:36:20 2020 +0530

complete chapter 1

**adding a original repository**

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ git remote add origin [**https://github.com/Akhiljanagam/story.git**](https://github.com/Akhiljanagam/story.git) **//** this link is given by git when created a new repository

Dell@DESKTOP-9VQ5LV5 MINGW64 ~/Desktop/web-dev/story (master)

$ **git push -u origin** **master** // (new file pushing to master branch)

info: please complete authentication in your browser...

Enumerating objects: 7, done.

Counting objects: 100% (7/7), done.

Delta compression using up to 8 threads

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

Writing objects: 100% (7/7), 540 bytes | 180.00 KiB/s, done.

Total 7 (delta 1), reused 0 (delta 0), pack-reused 0

remote: Resolving deltas: 100% (1/1), done.

To https://github.com/Akhiljanagam/story.git

\* [new branch] master -> master

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

Staging area

Pushing is done

Local repository

**.GIT**

Local computer

Remote repository

**.GITHUB**

**Other servers**

Working

Directory

Files located