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4

Github LAB MST

Name = Reet
UID - 22BDO10062
Subject Name - Git and hub
Subject Code - 22 CSH-293

githubl
UID-MST1.md
Que:
Ans: script Pic

Q1:

file.txt

Repo -> PM

Hello Reet

content of file => Hello Reet

cat file.txt
Hello Reet

2

cat > file.txt or echo > file.txt

then file opens up, to write this will overwrite the text.

HelloPM

then press ctrl+d To save the changes

use, cat file.txt to show content

Hello PM.

3

git diff :- this tells the difference b/w two branches in order to verify to the changes.

git diff branch1 (when you are in main)

this will compare main with branch1.
Both empty as no commits are done yet.

4

git diff --staged :- It compares your commit with the last commit of your staged file.

=> It shows blank because there is no diff. b/w the staged and commited file.
as the file is not stayed yet.

5 git add file.txt

↳ To stage the file to review it before the final commit.

Result:- It will show one file added to staging area.

6 git diff → shows empty , will tell you the modification that are done means modified file.txt with respect to last commit
b/w branches

7 git diff.--staged :- This will not show blank, but show the diff. b/w last ~~[illegible]~~ staged and current ~~[illegible]~~ state.

8 Now our file is ~~modified~~ tracked due to stayed.
no changes.

If we overwrite it again,

echo > file.txt or cat > file.txt

Hello

=> ctrl + d To save your changes.

9 git diff

↳ will show modified text b/w ~~both~~ the last ~~stage~~ commit and now.

10 git diff--staged :- It will show the change w.r.t. to the last staged file.

Hello PM
Hello

(22BD010062)

1) In this, we are updating a file again & again by overwriting it and checking the diff. again and again.

git diff. ~ git diff staged

git diff → This shows w.r.t to last commit

git diff staged → this shows changed w.r.t. last staged state.

(12) git status

Hello PM
hello

It treats old staged & new modification as new file'

Two times show file.txt because the last changes are not being commited yet.

It shows the staged and modified both files.

(13) git restore - -staged file. => would not resolve head

↳ this will take it away from the staging area to back to modified state

(14) git status

↳ this will show the changes, modification being done to the file as before the staging.

file shows, modified.

(15) git add file.txt

git commit -m" changed file.txt"

(16) log looks like:-

username /repo

hash code
Time date

commit message

of the commit has been done.

This will show in the form of latest to earliest.

(17) cat > file.txt or echo > file.txt

Sweet

after writing write,
(ctrl + d) To save

(18) cat file.txt

(content) => Sweet

our written text.

(19) git status

↳ will show modified.

a file is modified.

(20) git restore file.txt

↳ will take our modified to committed stage to restore last commit.

(21) • cat file.txt

Hello PM (content)

(22) git status

↳ nothing needs to be commited,