MODULE -5

MANAGING SOURCE CODE – GIT

AND GITHUB

SUBMITTED BY – BALASASTHA P

SUBMITTED TO – STARAGILE

DATE OF SUBMISSION – 08-12-2024

L3

L3 - Using Local and Remote git repositories demonstrate git pull and git fetch. Compare the differences

Create a remote repository in GitHub and local repository in system → Now initialize the git in local repo using cmd ***"git init"*** → Clone the remote repo by the cmd ***"git clone <URL-of-repository>"*** (e.g. git clone https://github.com/Balasastha/git) → Now change to directory to remote repository using cmd ***"cd git"*** → Create a file with some content in remote repository (i.e.,) github → Now use the cmd ***"git fetch origin"*** this downloads changes from the remote repository without altering the working directory → To inspect the updates use the cmd ***"git log origin/main –oneline"*** → To check the status of your local branch use the cmd ***"git status"*** → Now use the cmd ***"git pull origin main"*** this combines both merging and fetching, it downloads changes and immediately integrates them into your current branch, updating files in your working directory → Use the cmd ***"ls"*** to see the list of files and to see the content of the file use the cmd ***"cat <filename>".***

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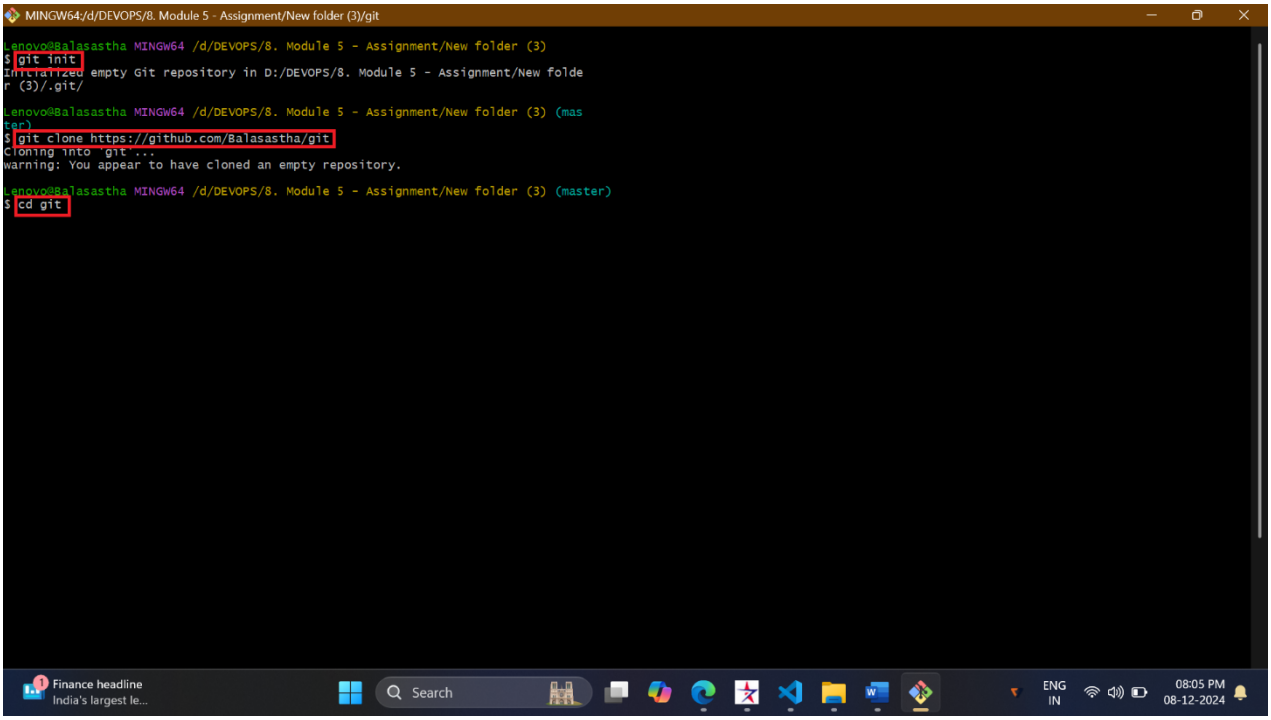
MINGW64:/d/DEVOPS/8. Module 5 - Assignment/New folder (3)/git
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$ git init
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r (3)/.git/
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3) (mas
ter)
$ git clone https://github.com/Balasastha/git
Cloning into 'git'...
warning: You appear to have cloned an empty repository.
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3) (master)
$ cd git
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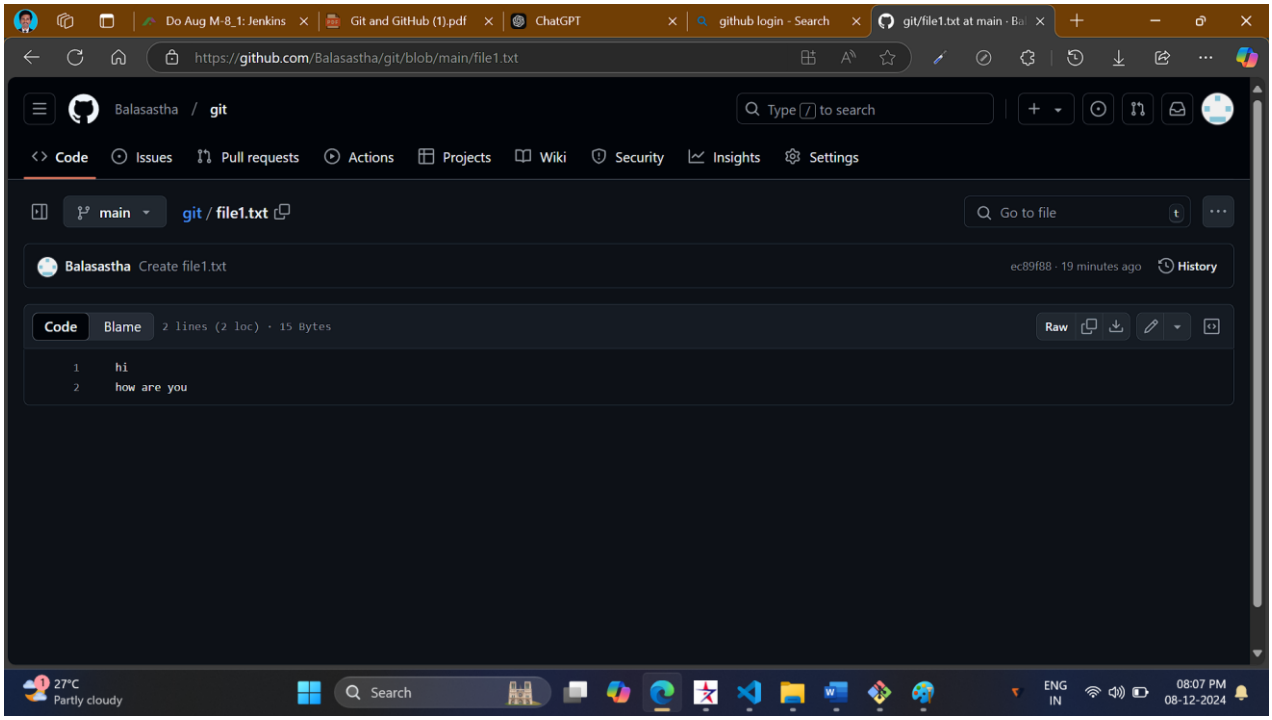
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github login - Search
git/file1.txt at main · Ba
https://github.com/Balasastha/git/blob/main/file1.txt
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ec89f88 · 19 minutes ago
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1 hi
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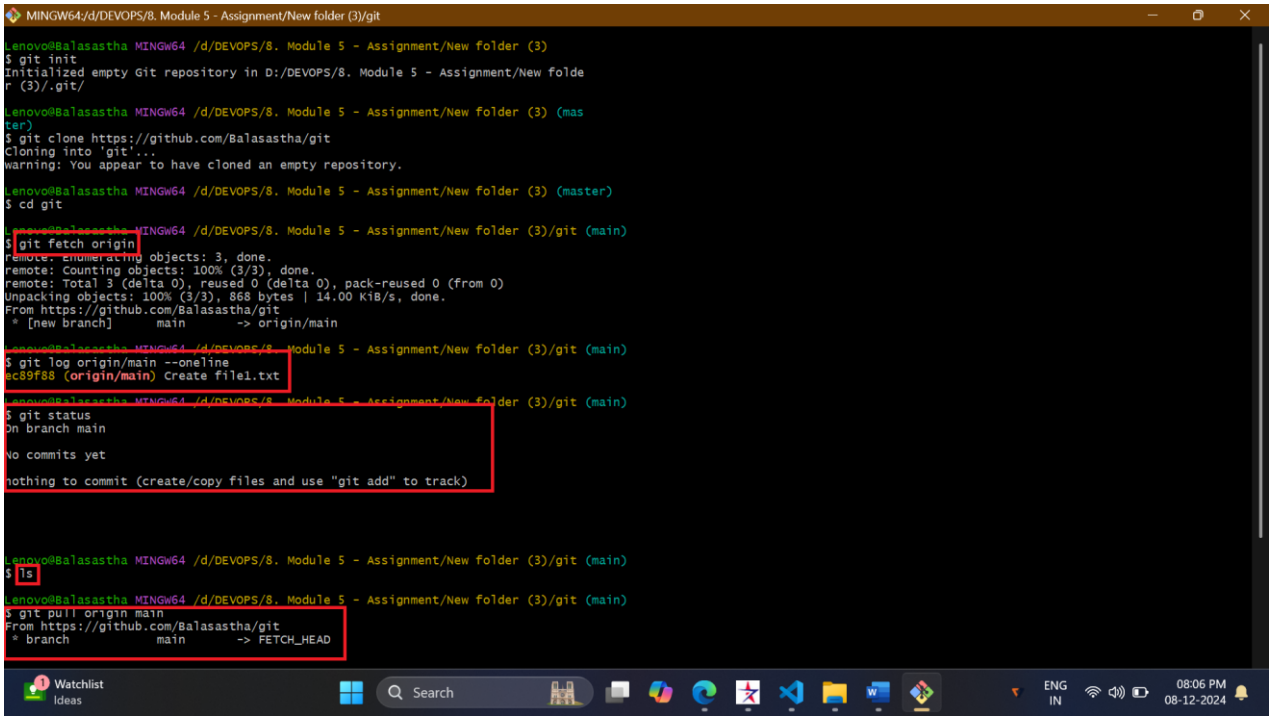
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$ cd git
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3)/git (main)
$ git fetch origin
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 868 bytes | 14.00 KiB/s, done.
From https://github.com/Balasastha/git
* [new branch] main -> origin/main
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3)/git (main)
$ git log origin/main --oneline
ec89f88 (origin/main) Create file1.txt
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3)/git (main)
$ git status
On branch main
No commits yet
nothing to commit (create/copy files and use "git add" to track)
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3)/git (main)
$ ls
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3)/git (main)
$ git pull origin main
From https://github.com/Balasastha/git
* branch main -> FETCH_HEAD
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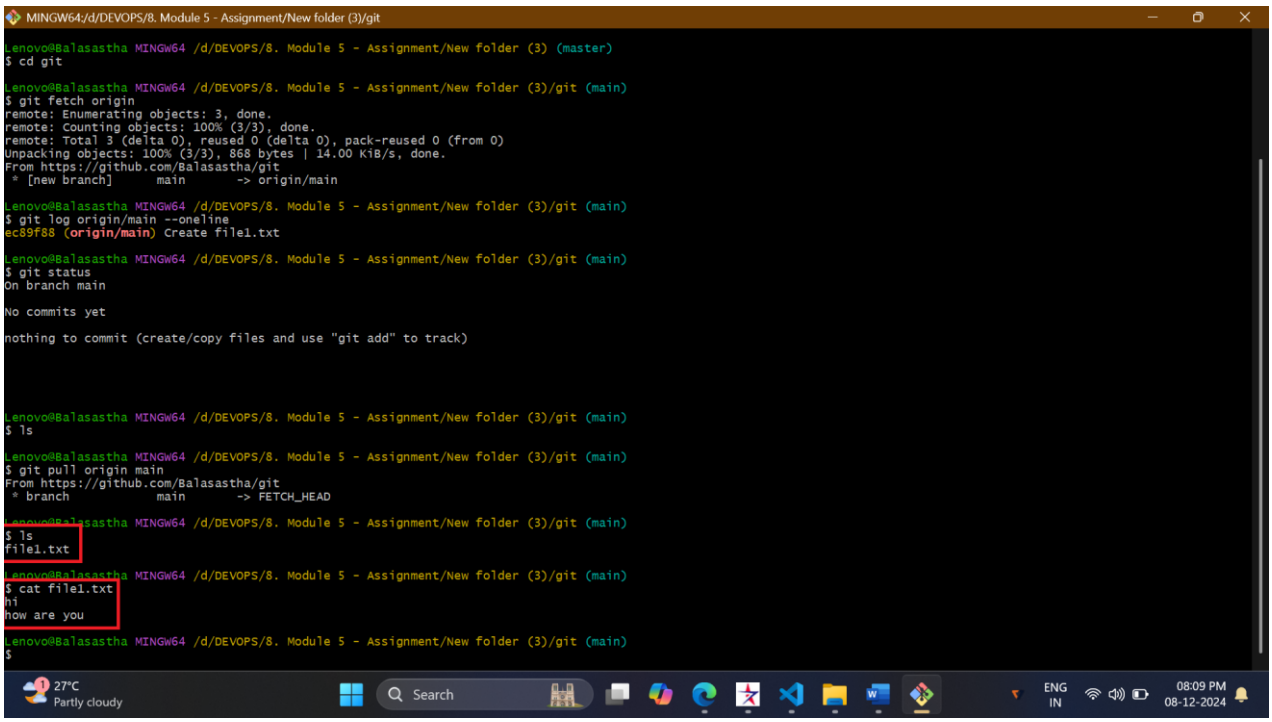
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$ ls
file1.txt
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3)/git (main)
$ cat file1.txt
hi
how are you
Lenovo@Balasastha MINGW64 /d/DEVOPS/8. Module 5 - Assignment/New folder (3)/git (main)
$
27°C
Partly cloudy
Search
ENG
IN
08:09 PM
08-12-2024

Difference between git pull and git fetch

Git fetch:

Downloads changes from the remote repository but does not update your local branch or files. It lets you review changes first.

Git pull:

Downloads changes and immediately updates your local branch and files. It combines fetch and merge.

Assignment completed

Thank you!!!