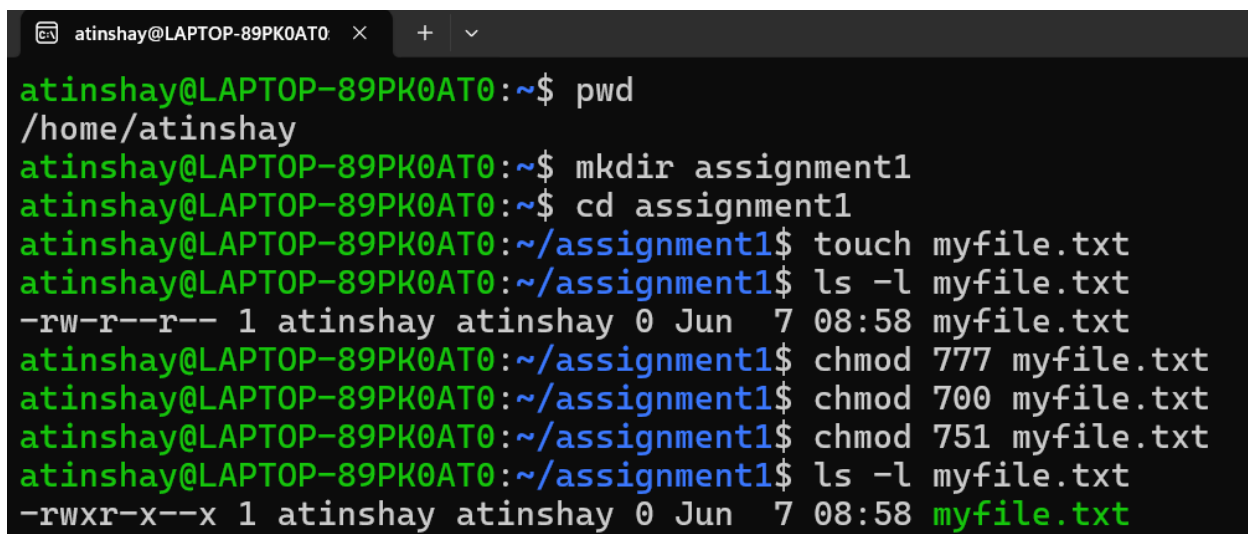


Assignment-1

1. Create a file, assign permissions (read, write, execute) to different user categories (owner, group, others), and practice changing permissions using chmod.

Steps:

- Checked the current working directory.
- Created a new directory named assignment1.
- Navigated into the assignment1 directory.
- Created an empty file named myfile.txt.
- Viewed the file's initial permissions to check the default permission settings of the file.
- Changed file permissions to 777 to give full read, write, and execute permissions to everyone (owner, group, others).
- Changed file permissions to 700 to restrict access, allowing only the owner full permissions.
- Changed file permissions to 751 to allow the owner full permissions, group read and execute, and others only execute.
- Viewed the updated file permissions to see that the permission changes.



```
atinshay@LAPTOP-89PK0AT0:~$ pwd
/home/atinshay
atinshay@LAPTOP-89PK0AT0:~$ mkdir assignment1
atinshay@LAPTOP-89PK0AT0:~$ cd assignment1
atinshay@LAPTOP-89PK0AT0:~/assignment1$ touch myfile.txt
atinshay@LAPTOP-89PK0AT0:~/assignment1$ ls -l myfile.txt
-rw-r--r-- 1 atinshay atinshay 0 Jun  7 08:58 myfile.txt
atinshay@LAPTOP-89PK0AT0:~/assignment1$ chmod 777 myfile.txt
atinshay@LAPTOP-89PK0AT0:~/assignment1$ chmod 700 myfile.txt
atinshay@LAPTOP-89PK0AT0:~/assignment1$ chmod 751 myfile.txt
atinshay@LAPTOP-89PK0AT0:~/assignment1$ ls -l myfile.txt
-rwxr-x--x 1 atinshay atinshay 0 Jun  7 08:58 myfile.txt
```

2. Execute basic Linux commands (e.g., ls, cd, mkdir, rm, touch) to manipulate files and directories, with an emphasis on understanding their usage.

Steps:

- Created a new directory called commands.
- Checked to confirm the directory was created.
- Entered the commands directory.
- Created two empty files: file1.txt and file2.txt.
- Verified files exist in the directory.
- Write the text "hii i am atinshay" into file1.txt.
- View the contents of file1.txt.
- Opened file2.txt using a vim editor to add content.

- ```
atinshay@LAPTOP-89PK0AT0:~$ mkdir commands
atinshay@LAPTOP-89PK0AT0:~$ ls
assignment1 commands dockerintroduction.pem
atinshay@LAPTOP-89PK0AT0:~$ cd commands
atinshay@LAPTOP-89PK0AT0:~/commands$ touch file1.txt file2.txt
atinshay@LAPTOP-89PK0AT0:~/commands$ ls
file1.txt file2.txt
atinshay@LAPTOP-89PK0AT0:~/commands$ echo hii i am atinshay > file1.txt
atinshay@LAPTOP-89PK0AT0:~/commands$ cat file1.txt
hii i am atinshay
atinshay@LAPTOP-89PK0AT0:~/commands$
```

[illegible]

```
atinshay@LAPTOP-89PK0AT0: ~/commands$ ls
file1.txt file2.txt
atinshay@LAPTOP-89PK0AT0: ~/commands$ rm file2.txt
atinshay@LAPTOP-89PK0AT0: ~/commands$ ls
file1.txt
atinshay@LAPTOP-89PK0AT0: ~/commands$ cd ..
atinshay@LAPTOP-89PK0AT0: ~$ rm -r commands
atinshay@LAPTOP-89PK0AT0: ~$ ls
assignment1 dockerintroduction.pem
atinshay@LAPTOP-89PK0AT0: ~$
```

### 3. Using the terminal, practice navigating through directories, listing file contents, and moving files to different locations.

Steps:

- Created a folder named practice and navigated into it.
- Created two subfolders: folder1 and folder2.
- Created a file file1.txt and added the text "**summer intern**" to it.
- Moved file1.txt into folder1.
- Moved file1.txt from folder1 to folder2.
- Verified the movement by checking contents of folders.
- Create a new file file1.txt using touch.
- Write the text "summer intern" to file1.txt, overwriting any existing content.
- List the files/directories in the current directory using ls.
- Create two new directories: folder1 and folder2.
- Move file1.txt into folder1/.
- List contents of folder1 to verify file1.txt was moved.
- Move file1.txt from folder1/ to folder2/.
- List contents of folder2 to verify the file move.
- Change directory to folder2 and verify its contents.
- Return to the previous directory using cd ...
- Create a new file newfile.txt using touch.
- Open newfile.txt in vim and insert text.
- View the content of newfile.txt using cat.
- Display first few lines of newfile.txt using head.
- Display the first 4 lines using head -n 4 newfile.txt.
- Display the few last line using tail.
- Display the last 3 lines tail -n 3 newfile.txt.

```
atinshay@LAPTOP-89PK0AT0: ~$ mkdir practice
atinshay@LAPTOP-89PK0AT0: ~$ cd practice
atinshay@LAPTOP-89PK0AT0: ~/practice$ mkdir folder1 folder2
atinshay@LAPTOP-89PK0AT0: ~/practice$ touch file1.txt
atinshay@LAPTOP-89PK0AT0: ~/practice$ echo summer intern >file1.txt
atinshay@LAPTOP-89PK0AT0: ~/practice$ ls
file1.txt folder1 folder2
atinshay@LAPTOP-89PK0AT0: ~/practice$ mv file1.txt folder1/
atinshay@LAPTOP-89PK0AT0: ~/practice$ ls
folder1 folder2
atinshay@LAPTOP-89PK0AT0: ~/practice$ ls folder1
file1.txt
atinshay@LAPTOP-89PK0AT0: ~/practice$ mv folder1/file1.txt folder2/
atinshay@LAPTOP-89PK0AT0: ~/practice$ ls folder2
file1.txt
atinshay@LAPTOP-89PK0AT0: ~/practice$ cd folder2
atinshay@LAPTOP-89PK0AT0: ~/practice/folder2$ ls
file1.txt
atinshay@LAPTOP-89PK0AT0: ~/practice/folder2$ cd ..
atinshay@LAPTOP-89PK0AT0: ~/practice$ ls
folder1 folder2
```

```
atinshay@LAPTOP-89PK0AT0: ~$ touch file1.txt
atinshay@LAPTOP-89PK0AT0: ~$ echo summer intern >file1.txt
atinshay@LAPTOP-89PK0AT0: ~$ ls
file1.txt folder1 folder2
atinshay@LAPTOP-89PK0AT0: ~$ mv file1.txt folder1/
atinshay@LAPTOP-89PK0AT0: ~$ ls
folder1 folder2
atinshay@LAPTOP-89PK0AT0: ~$ ls folder1
file1.txt
atinshay@LAPTOP-89PK0AT0: ~$ mv folder1/file1.txt folder2/
atinshay@LAPTOP-89PK0AT0: ~$ ls folder2
file1.txt
atinshay@LAPTOP-89PK0AT0: ~$ cd folder2
atinshay@LAPTOP-89PK0AT0: ~/practice/folder2$ ls
file1.txt
atinshay@LAPTOP-89PK0AT0: ~/practice/folder2$ cd ..
atinshay@LAPTOP-89PK0AT0: ~/practice$ ls
folder1 folder2
atinshay@LAPTOP-89PK0AT0: ~/practice$ touch newfile.txt
atinshay@LAPTOP-89PK0AT0: ~/practice$ vim newfile.txt
hii
i am atinshay
summer intern
celebal
technologies
in
devops
department
atinshay@LAPTOP-89PK0AT0: ~/practice$ head newfile.txt
hii
i am atinshay
summer intern
celebal
technologies
in
devops
department
atinshay@LAPTOP-89PK0AT0: ~/practice$ head -n 4 newfile.tx
t
hii
i am atinshay
summer intern
celebal
atinshay@LAPTOP-89PK0AT0: ~/practice$ tail newfile.txt
hii
i am atinshay
summer intern
celebal
technologies
in
devops
department
atinshay@LAPTOP-89PK0AT0: ~/practice$ tail -n 3 newfile.tx
t
devops
department
atinshay@LAPTOP-89PK0AT0: ~/practice$ |
```

#### 4. Create a new user and group, set their permissions, and explore user management commands like useradd, usermod, and userdel.

##### Steps:

- Created a group dev1
- Created a user user1 and dev1 as primary group
- Verified user details using id
- Set password for user1
- Switched to user1
- Created file file1.txt in user1 home directory
- Switched back to atinshay
- Added user1 to sudo group
- Verified user1's group membership
- Set permissions 640 for file1.txt
- Changed ownership of file1.txt to user1:dev1
- Checked user1's processes using ps
- deleting user1
- Successfully deleted user1 and home directory using -r

- Deleted group dev1
- Verified deletion using getent passwd user1

```

atinshay@LAPTOP-89PK0AT0:~$ sudo groupadd dev1
[sudo] password for atinshay:
atinshay@LAPTOP-89PK0AT0:~$ sudo useradd -m -s /bin/bash -g dev1 user1
atinshay@LAPTOP-89PK0AT0:~$ id user1
uid=1001(user1) gid=1002(dev1) groups=1002(dev1)
atinshay@LAPTOP-89PK0AT0:~$ sudo passwd user1
New password:
Retype new password:
passwd: password updated successfully
atinshay@LAPTOP-89PK0AT0:~$ sudo su - user1
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.6.87.1-microsoft-standard-WSL2 x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/pro

System information as of Sat Jun 7 19:14:34 UTC 2025

System load: 0.01 Processes: 33
Usage of /: 0.2% of 1006.85GB Users logged in: 1
Memory usage: 4% IPv4 address for eth0: 172.31.10.236
Swap usage: 0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
 just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

This message is shown once a day. To disable it please create the
/home/user1/.hushlogin file.
user1@LAPTOP-89PK0AT0:~$ cd ~
user1@LAPTOP-89PK0AT0:~$ touch file1.txt

user1@LAPTOP-89PK0AT0:~$ su - atinshay
Password:
atinshay@LAPTOP-89PK0AT0:~$ sudo usermod -aG sudo user1
[sudo] password for atinshay:
atinshay@LAPTOP-89PK0AT0:~$ groups user1
user1 : dev1 sudo
atinshay@LAPTOP-89PK0AT0:~$ newgrp sudo
atinshay@LAPTOP-89PK0AT0:~$ sudo chmod 640 /home/user1/file1.txt
atinshay@LAPTOP-89PK0AT0:~$ sudo chown user1:dev1 /home/user1/file1.txt
atinshay@LAPTOP-89PK0AT0:~$ sudo userdel user1
userdel: user user1 is currently used by process 402
atinshay@LAPTOP-89PK0AT0:~$ ps -u user1
 PID TTY TIME CMD
 402 ? 00:00:00 systemd
 403 ? 00:00:00 (sd-pam)
 414 pts/2 00:00:00 bash
atinshay@LAPTOP-89PK0AT0:~$ sudo kill -9 402
atinshay@LAPTOP-89PK0AT0:~$ sudo userdel user1
userdel: user user1 is currently used by process 414
atinshay@LAPTOP-89PK0AT0:~$ sudo kill -9 414
Killed
atinshay@LAPTOP-89PK0AT0:~$ atinshay@LAPTOP-89PK0AT0:~$ ^C
atinshay@LAPTOP-89PK0AT0:~$ sudo userdel user1
atinshay@LAPTOP-89PK0AT0:~$ sudo userdel -r user1
userdel: user 'user1' does not exist
atinshay@LAPTOP-89PK0AT0:~$ sudo groupdel dev1
atinshay@LAPTOP-89PK0AT0:~$ getent passwd user1
atinshay@LAPTOP-89PK0AT0:~$

```

## 5. Practices more linux commands.

```

atinshay@LAPTOP-89PK0AT0:~$ echo "hello world" | tr 'a-z' 'A-Z'
HELLO WORLD
atinshay@LAPTOP-89PK0AT0:~$ echo "HELLO" | tr 'a-z' 'A-Z'
HELLO
atinshay@LAPTOP-89PK0AT0:~$ echo "HELLO" | tr 'A-Z' 'a-z'
hello
atinshay@LAPTOP-89PK0AT0:~$ touch file.txt
atinshay@LAPTOP-89PK0AT0:~$ mv file.txt newfile.txt
atinshay@LAPTOP-89PK0AT0:~$ df -h
Filesystem Size Used Avail Use% Mounted on
none 3.9G 0 3.9G 0% /usr/lib/modules/6.6.87.1-microsoft-standard-WSL2
none 3.9G 4.0K 3.9G 1% /mnt/wsl
drivers 231G 205G 26G 89% /usr/lib/wsl/drivers
/dev/sdd 1007G 1.6G 955G 1% /
none 3.9G 80K 3.9G 1% /mnt/wslg
none 3.9G 0 3.9G 0% /usr/lib/wsl/lib
rootfs 3.9G 2.7M 3.9G 1% /init
none 3.9G 512K 3.9G 1% /run
none 3.9G 0 3.9G 0% /run/lock
none 3.9G 0 3.9G 0% /run/shm
none 3.9G 76K 3.9G 1% /mnt/wslg/versions.txt
none 3.9G 76K 3.9G 1% /mnt/wslg/doc
C:\ 231G 205G 26G 89% /mnt/c
E:\ 96G 66G 31G 69% /mnt/e
tmpfs 3.9G 16K 3.9G 1% /run/user/1000
atinshay@LAPTOP-89PK0AT0:~$
atinshay@LAPTOP-89PK0AT0:~$ ls
assignment1 dockerintroduction.pem newfile.txt
atinshay@LAPTOP-89PK0AT0:~$ vim newfile.txt
atinshay@LAPTOP-89PK0AT0:~$ cat newfile.txt
hii
i am
atinshay
summer
intern
at
celebal

atinshay@LAPTOP-89PK0AT0:~$ head -n 3 newfile.txt
hii
i am
atinshay
atinshay@LAPTOP-89PK0AT0:~$ tail newfile.txt
hii
i am
atinshay
summer
intern
at
celebal
atinshay@LAPTOP-89PK0AT0:~$ tail -n 2 newfile.txt
at
celebal
atinshay@LAPTOP-89PK0AT0:~$ touch ex.txt
atinshay@LAPTOP-89PK0AT0:~$ vim ex.txt
atinshay@LAPTOP-89PK0AT0:~$ cat ex.txt
hello
i am atinshay
how are you
atinshay@LAPTOP-89PK0AT0:~$ diff newfile.txt ex.txt
1,7c1,3
< hii
< i am
< atinshay
< summer
< intern
< at
< celebal

> hello
> i am atinshay
> how are you

```

```

atinshay@LAPTOP-89PK0AT0:~$ find . -name "*.txt"
./newfile.txt
./assignment1/myfile.txt
./ex.txt
atinshay@LAPTOP-89PK0AT0:~$ find . -ex "*.txt"
find: unknown predicate `-ex'
atinshay@LAPTOP-89PK0AT0:~$ grep "celebal" newfile.txt
celebal
atinshay@LAPTOP-89PK0AT0:~$ history
 1 ls
 2 cd Downloads/
 3 cleat
 4 clear
 5 ssh
 6 cd Downloads/
 7 ls
 8 cd Downloads/
 9 chmod 400 "dockerintroduction.pem"
10 cd /mnt/c/Users/atinshay/Downloads
11 ls
12 clear
13 ls dockerintroduction.pem
14 chmod 400 "dockerintroduction.pem"
15 ssh -i "dockerintroduction.pem" ubuntu@ec2-18-188-26
16 clear
17 ssh -i "dockerintroduction.pem" ubuntu@ec2-18-188-26

```

```

atinshay@LAPTOP-89PK0AT0:~$ alias ll='ls -l'
atinshay@LAPTOP-89PK0AT0:~$ ll
total 16
drwxr-xr-x 2 atinshay atinshay 4096 Jun 7 09:12 assignment1
-r----- 1 atinshay atinshay 1678 May 18 19:19 dockerintroduction.pem
-rw-r--r-- 1 atinshay atinshay 32 Jun 7 19:41 ex.txt
-rw-r--r-- 1 atinshay atinshay 44 Jun 7 19:40 newfile.txt
atinshay@LAPTOP-89PK0AT0:~$ top
top - 19:43:47 up 31 min, 1 user, load average: 0.00, 0.00, 0.00
Tasks: 23 total, 1 running, 22 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.
MiB Mem : 7832.2 total, 7341.5 free, 484.1 used, 155.9 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 7348.2 avail Mem

```

| PID | USER     | PR | NI | VIRT    | RES   | SHR   | S | %CPU | %MEM | TIME+   |
|-----|----------|----|----|---------|-------|-------|---|------|------|---------|
| 1   | root     | 20 | 0  | 21748   | 12232 | 9288  | S | 0.0  | 0.2  | 0:01.15 |
| 2   | root     | 20 | 0  | 3060    | 1664  | 1664  | S | 0.0  | 0.0  | 0:00.00 |
| 7   | root     | 20 | 0  | 3076    | 1916  | 1792  | S | 0.0  | 0.0  | 0:00.00 |
| 56  | root     | 19 | -1 | 66828   | 18920 | 18152 | S | 0.0  | 0.2  | 0:00.37 |
| 106 | root     | 20 | 0  | 25216   | 6272  | 4992  | S | 0.0  | 0.1  | 0:00.13 |
| 112 | systemd+ | 20 | 0  | 21452   | 12160 | 10240 | S | 0.0  | 0.2  | 0:00.15 |
| 113 | systemd+ | 20 | 0  | 91020   | 7552  | 6784  | S | 0.0  | 0.1  | 0:00.13 |
| 172 | root     | 20 | 0  | 4236    | 2560  | 2432  | S | 0.0  | 0.0  | 0:00.01 |
| 173 | message+ | 20 | 0  | 9528    | 4864  | 4352  | S | 0.0  | 0.1  | 0:00.13 |
| 180 | root     | 20 | 0  | 18144   | 8448  | 7552  | S | 0.0  | 0.1  | 0:00.12 |
| 183 | root     | 20 | 0  | 1755584 | 12416 | 10752 | S | 0.0  | 0.2  | 0:00.17 |
| 193 | root     | 20 | 0  | 3160    | 2048  | 1920  | S | 0.0  | 0.0  | 0:00.00 |
| 194 | root     | 20 | 0  | 3064    | 896   | 896   | S | 0.0  | 0.0  | 0:00.00 |
| 195 | root     | 20 | 0  | 3080    | 1024  | 1024  | S | 0.0  | 0.0  | 0:00.25 |
| 198 | atinshay | 20 | 0  | 6072    | 4864  | 3456  | S | 0.0  | 0.1  | 0:00.19 |

6. Introduction to version control and Git basics, Git installation and configuration, Basic Git commands (init, add, commit, push, pull).

```
atinshay@LAPTOP-89PK0AT0:~$ sudo apt install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
 git-man
Suggested packages:
 git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk
 gitweb git-cvs git-mediawiki git-svn
The following packages will be upgraded:
 git git-man
2 upgraded, 0 newly installed, 0 to remove and 166 not upgraded.
Need to get 0 B/4779 kB of archives.
After this operation, 2048 B of additional disk space will be used.
Do you want to continue? [Y/n] y
(Reading database ... 40794 files and directories currently installed.)
Preparing to unpack .../git-man_1%3a2.43.0-1ubuntu7.2_all.deb ...
Unpacking git-man (1:2.43.0-1ubuntu7.2) over (1:2.43.0-1ubuntu7.1) ...
Preparing to unpack .../git_1%3a2.43.0-1ubuntu7.2_amd64.deb ...
Unpacking git (1:2.43.0-1ubuntu7.2) over (1:2.43.0-1ubuntu7.1) ...
Setting up git-man (1:2.43.0-1ubuntu7.2) ...
Setting up git (1:2.43.0-1ubuntu7.2) ...
Processing triggers for man-db (2.12.0-4build2) ...

atinshay@LAPTOP-89PK0AT0:~/gitcommands$ git init
hint: Using 'master' as the name for the initial branch. This default branch
name
hint: is subject to change. To configure the initial branch name to use in a
ll
hint: of your new repositories, which will suppress this warning, call:
hint:
hint: git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command
:
hint:
hint: git branch -m <name>
Initialized empty Git repository in /home/atinshay/gitcommands/.git/
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ touch file1.txt
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ echo hii everyone > file1.txt
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ cat file1.txt
hii everyone
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ git add file1.txt
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ git commit -m "add file1.txt"
[master (root-commit) 24fccb6] add file1.txt
 1 file changed, 1 insertion(+)
 create mode 100644 file1.txt
```



```

atinshay@LAPTOP-89PK0AT0:~/gitcommands$ vim file2.txt
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ git status
On branch master
Untracked files:
 (use "git add <file>..." to include in what will be committed)
 file2.txt

nothing added to commit but untracked files present (use "git add" to track)
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ git add file2.txt
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ git commit -m "add a new file2.txt"
[master 21f5dbb] add a new file2.txt
 1 file changed, 2 insertions(+)
 create mode 100644 file2.txt
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ git status
On branch master
nothing to commit, working tree clean
atinshay@LAPTOP-89PK0AT0:~/gitcommands$ |

```

7. Setup a remote repository in Local , Add a file and commit or save the changes and push to master branch

```

MINGW64; c:/Users/ATINSHAY/assignment

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~ (main)
$ mkdir assignment

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~ (main)
$ cd assignment

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (main)
$ git init
Initialized empty Git repository in C:/Users/ATINSHAY/assignment/.git/

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git remote -v

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git remote add origin https://github.com/AtinshayAwasthi/Assignment.git

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git remote -v
origin https://github.com/AtinshayAwasthi/Assignment.git (fetch)
origin https://github.com/AtinshayAwasthi/Assignment.git (push)

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ touch exmple.txt

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ vim example.txt

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ cat example.txt
hii
this is example.txt file

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git status
On branch master

No commits yet

Untracked files:
 (use "git add <file>..." to include in what will be committed)
 example.txt
 exmple.txt

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

```

```

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git add .
warning: in the working copy of 'example.txt', LF will be replaced by CRLF the next time Git touches it

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git commit -m "added new file"
[master (root-commit) 6d5362b] added new file
2 files changed, 2 insertions(+)
create mode 100644 example.txt
create mode 100644 exmple.txt

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git brach
git: 'brach' is not a git command. See 'git --help'.

The most similar command is
branch

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git branch
* master

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 278 bytes | 278.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/AtinshayAwasthi/Assignment.git
 * [new branch] master -> master

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$

```

AtinshayAwasthi / Assignment

<> Code

Issues

Pull requests

Actions

Projects

Security

Insights

0 stars

0 forks

0 watching

1 Branch

0 Tags

Activity

Private repository

master

Go to file

+

<> Code

AtinshayAwasthi

added new file

6d5362b · 6 minutes ago

example.txt

added new file

6 minutes ago

exmple.txt

added new file

6 minutes ago

8. Merge types, Create a new branch then commit and push the changes to new branch and merge it with the master branch using pull request.

```
MINGW64:/c/Users/ATINSHAY/assignment
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git branch
* master

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git checkout -b branch1
Switched to a new branch 'branch1'

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git branch
* branch1
 master

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ vim newfile.txt

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ cat newfile.txt
hii this is new file
for new features

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git status
On branch branch1
Untracked files:
 (use "git add <file>..." to include in what will be committed)
 newfile.txt

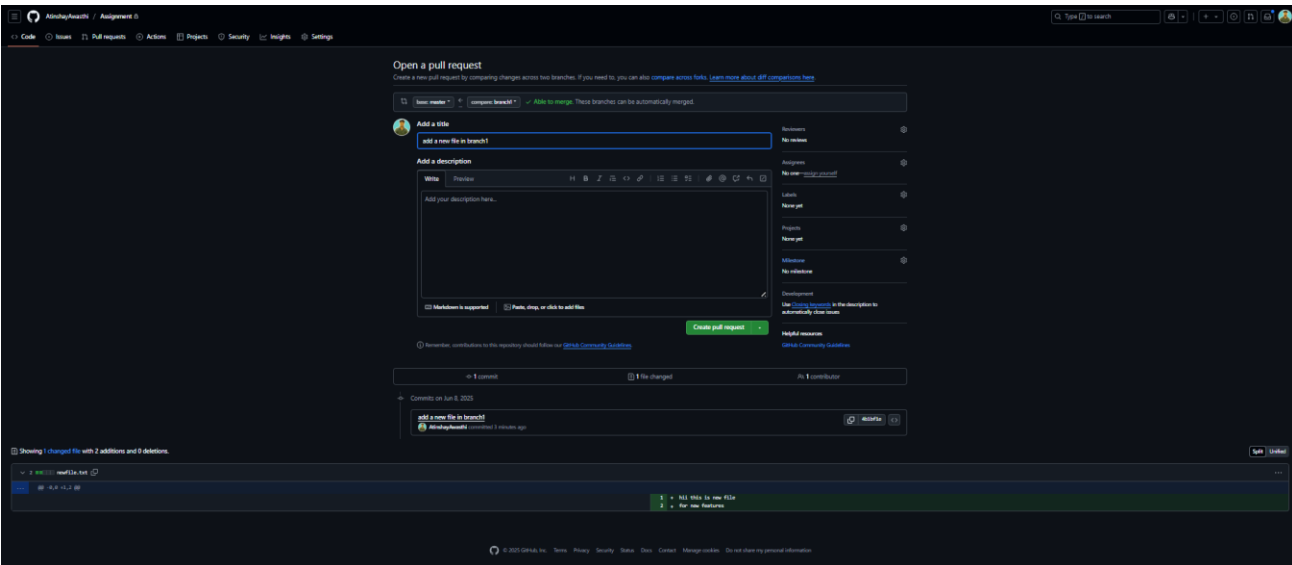
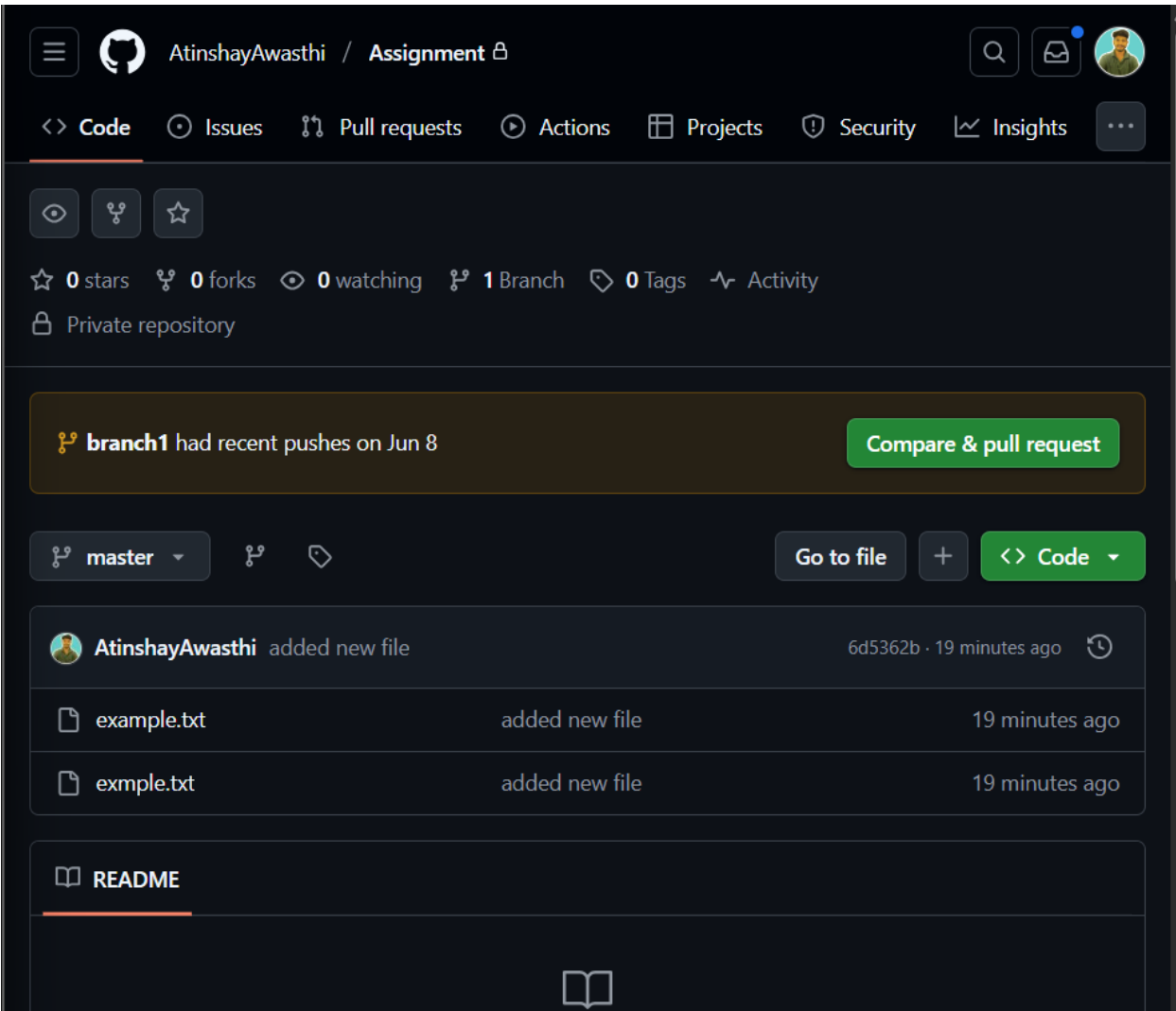
nothing added to commit but untracked files present (use "git add" to track)

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git add .
warning: in the working copy of 'newfile.txt', LF will be replaced by CRLF the next time Git touches it

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git commit -m "add a new file in branch1"
[branch1 4b1bf1e] add a new file in branch1
1 file changed, 2 insertions(+)
create mode 100644 newfile.txt

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git push origin branch1
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 342 bytes | 342.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote: https://github.com/AtinshayAwasthi/Assignment/pull/new/branch1
remote:
To https://github.com/AtinshayAwasthi/Assignment.git
 * [new branch] branch1 -> branch1

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
```



AtinshayAwasthi / Assignment

CodeIssuesPull requestsActionsProjectsSecurityInsightsSettings

add a new file in branch1 #1

AtinshayAwasthi wants to merge 1 commit into master from branch1

Conversation

Commits

Checks

Files changed

AtinshayAwasthi commented now

No description provided.

add a new file in branch1

No conflicts with base branch

Merging can be performed automatically.

Merge pull request

Add a comment

Write

Preview

Add your comment here...

Markdown is supported

Paste, drop, or click to add files

Close pull request

Comment

Reviewers

No reviews

Still in progress? Convert to draft

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Unsubscribe

You're receiving notifications because you authored the thread.

1 participant

Remember, contributions to this repository should follow our GitHub Community Guidelines.

ProTip! Add .patch or .diff to the end of URLs for Git's plaintext views.

add a new file in branch1 #1

AtinshayAwasthi merged 1 commit into master from branch1

Conversation

Commits

Checks

Files changed

AtinshayAwasthi commented now

No description provided.

add a new file in branch1

AtinshayAwasthi merged commit 19553f0 into master now

Revert

Pull request successfully merged and closed

You're all set — the branch1 branch can be safely deleted.

Delete branch

Add a comment

Write

Preview

Add your comment here...

Markdown is supported

Paste, drop, or click to add files

Comment

Reviewers

No reviews

Still in progress? Convert to draft

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Unsubscribe

You're receiving notifications because you modified the open/close state.

1 participant

Remember, contributions to this repository should follow our GitHub Community Guidelines.

ProTip! Add .patch or .diff to the end of URLs for Git's plaintext views.

master 2 Branches 0 Tags

Go to file

Add file

Code

About

|                 |                                                    |                |           |
|-----------------|----------------------------------------------------|----------------|-----------|
| AtinshayAwasthi | Merge pull request #1 from AtinshayAwasthi/branch1 | 1955310 · now  | 3 Commits |
| example.txt     | added new file                                     | 23 minutes ago |           |
| exmple.txt      | added new file                                     | 23 minutes ago |           |
| newfile.txt     | add a new file in branch1                          | 5 minutes ago  |           |

README



## Add a README

Add a README with an overview of your project.

Add a README

No description, website, or topics provided.

Activity

0 stars

0 watching

0 forks

### Releases

No releases published

[Create a new release](#)

### Packages

No packages published

[Publish your first package](#)

## 9. Undo the last commit or remove the last created file from remote repo using CLI.

```
MINGW64/c/Users/ATINSHAY/assignment
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (master)
$ git checkout branch1
Switched to branch 'branch1'

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git log
commit 4b1bf1e4927c3b7a56e4dd0488a028e63d3b3d26 (HEAD -> branch1, origin/branch1)
Author: Atinshay <aatinshay@gmail.com>
Date: Sun Jun 8 02:52:47 2025 +0530

 add a new file in branch1

commit 6d5362b8aa779bcf6e21865227b833e51c492115 (master)
Author: Atinshay <aatinshay@gmail.com>
Date: Sun Jun 8 02:35:08 2025 +0530

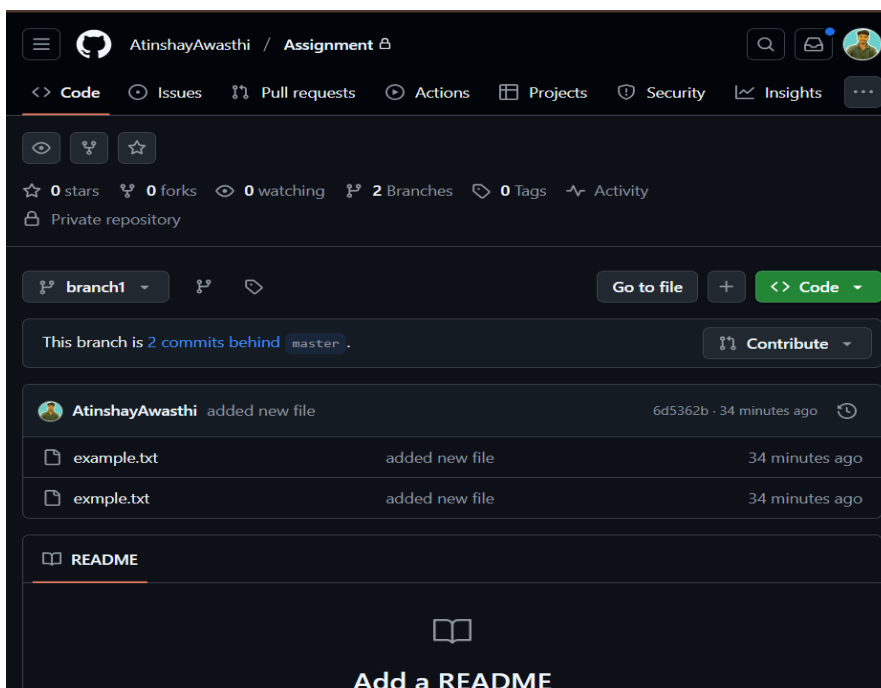
 added new file

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ ^C
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git reset 6d5362b8aa779bcf6e21865227b833e51c492115
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git status
On branch branch1
Untracked files:
 (use "git add <file>..." to include in what will be committed)
 newFile.txt

nothing added to commit but untracked files present (use "git add" to track)
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git add .
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git stash
Saved working directory and index state WIP on branch1: 6d5362b added new file
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git log
commit 6d5362b8aa779bcf6e21865227b833e51c492115 (HEAD -> branch1, master)
Author: Atinshay <aatinshay@gmail.com>
Date: Sun Jun 8 02:35:08 2025 +0530

 added new file

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git push origin branch1 --force
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/AtinshayAwasthi/Assignment.git
+ 4b1bf1e...6d5362b branch1 -> branch1 (forced update)
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
```



AtinshayAwasthi / Assignment

Code Issues Pull requests Actions Projects Security Insights

0 stars 0 forks 0 watching 2 Branches 0 Tags Activity

Private repository

branch1 Go to file + <> Code

This branch is 2 commits behind master.

Contribute

AtinshayAwasthi added new file 6d5362b · 34 minutes ago

|             |                |                |
|-------------|----------------|----------------|
| example.txt | added new file | 34 minutes ago |
| exmple.txt  | added new file | 34 minutes ago |

README

Add a README

## 10. Branching and merging in Git, Resolve a merge conflicts.

```
MINGW64:/c/Users/ATINSHAY/assignment
ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git branch
* branch1
 master

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git branch temp

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (branch1)
$ git checkout temp
Switched to branch 'temp'

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (temp)
$ ls
example.txt exmple.txt

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (temp)
$ vim example.txt

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (temp)
$ git add .
warning: in the working copy of 'example.txt', LF will be replaced by CRLF the next time Git touches it

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (temp)
$ git commit -m "example.txt updated by me"
[temp 54e6920] example.txt updated by me
1 file changed, 1 insertion(+), 1 deletion(-)

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (temp)
$ git push origin temp
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 313 bytes | 313.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'temp' on GitHub by visiting:
remote: https://github.com/AtinshayAwasthi/Assignment/pull/new/temp
remote:
To https://github.com/AtinshayAwasthi/Assignment.git
 * [new branch] temp -> temp

ATINSHAY@LAPTOP-89PK0AT0 MINGW64 ~/assignment (temp)
$!
```





AtinshayAwasthi / Assignment



<> Code

Issues

Pull requests

Actions

Projects

Security

Insights



☆ 0 stars    🍴 0 forks    👁 0 watching    🌿 2 Branches    🏷 0 Tags    📈 Activity

🔒 Private repository

🔗 **temp** had recent pushes on Jun 8

Compare & pull request

🌿 master ▾



Go to file



<> Code ▾



**AtinshayAwasthi** Update example.txt

9bec11b · 2 minutes ago ⌚



example.txt

Update example.txt

2 minutes ago



exmple.txt

added new file

54 minutes ago



newfile.txt

user1 update in this file

3 minutes ago

📖 README



## Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons here](#).

base: master ← compare: temp × Can't automatically merge. Don't worry, you can still create the pull request.



### Add a title

example.txt updated by me

### Add a description

Write

Preview

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Add your description here...

Markdown is supported

Paste, drop, or click to add files

Create pull request



Reviewers



No reviews

Assignees



No one—[assign yourself](#)

Labels



None yet

Projects



None yet

Milestone



No milestone

Development

Use [Closing keywords](#) in the description to automatically close issues

Helpful resources

## example.txt updated by me #2

Edit

<> Code

Open AtinshayAwasthi wants to merge 1 commit into master from temp



Conversations 0



Commits 1



Checks 0



Files changed 1

+1 -1



AtinshayAwasthi commented 1 minute ago



No description provided.



example.txt updated by me

54e6920



This branch has conflicts that must be resolved

Resolve conflicts

Use the [web editor](#) or the command line to resolve conflicts before continuing.

example.txt

Merge pull request



You can also merge this with the command line. [View command line instructions](#).



### Add a comment

Write

Preview

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Add your comment here...

Reviewers



No reviews

Still in progress? [Convert to draft](#)

Assignees



No one—[assign yourself](#)

Labels



None yet

Projects



None yet

Milestone



No milestone

Development



Successfully merging this pull request may close these issues.

None yet

Notifications

Customize



example.txt updated by me #2

Merged

AtinshayAwasthi merged 2 commits into master from temp now

Conversation 0

Commits 2

Checks 0

Files changed 1

+2 -1

AtinshayAwasthi commented 3 minutes ago

No description provided.

AtinshayAwasthi and others added 2 commits 6 minutes ago

example.txt updated by me 54e6920

Merge branch 'master' into temp 524b658 Verified

AtinshayAwasthi merged commit 77f8189 into master now

Pull request successfully merged and closed

You're all set — the temp branch can be safely deleted.

Delete branch

Add a comment

Write Preview

Add your comment here...

Markdown is supported Paste, drop, or click to add files

Reviewers

No reviews

Still in progress? Convert to draft

Assignees

No one — assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Unsubscribe

You're receiving notifications because you modified the open/close state.

1 participant

AtinshayAwasthi / Assignment

Code Issues Pull requests Actions Projects Security Insights Settings

master

Assignment / example.txt

AtinshayAwasthi Merge branch 'master' into temp

Code

Blame

3 lines (2 loc) · 40 Bytes

Code 55% faster with GitHub Copilot

1 hii

2 example.txt file for new examples