



NAME: VOMMIDAPU CHINNI

BATCH NO: 120

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DATE: 11/04/24

Module: GIT

TRAINER: Mr. Madhukar

ASSIGNMENT - 5

1) Create two branches and merge them, create directory and push in the repository, commit the changes to the file and use cherry pick to commit changes between branches?

- Open the git bash here then create a directory in desktop using command mkdir.
- Change to the directory which was created by us, using the command cd <director name>

```
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop
$ mkdir chinni

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop
$ cd chinni

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni
$
```

- Initialize the created directory command is “git init” (convert the normal directory to git repository).

- Default branch is “master”.

```

MINGW64/c:/Users/umama/OneDrive/Desktop/chinni
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop
$ mkdir chinni

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop
$ cd chinni

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni
$ git init
Initialized empty Git repository in C:/Users/umama/OneDrive/Desktop/chinni/.git/

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$

```

- Now create a file in master branch with using command vi file1.
- git add . is used to move the file from working directory to staging area.
- git commit is used to move file from staging area to local repository.
- git log is used to see show the how many commits we did.

```

MINGW64/c:/Users/umama/OneDrive/Desktop/chinni
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ vi file1

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git add .
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git commit -m "1st commit"
error: pathspec '-' did not match any file(s) known to git
error: pathspec 'm' did not match any file(s) known to git
error: pathspec '1st commit' did not match any file(s) known to git

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git commit -m "1st commit"
[master (root-commit) 9c3f684] 1st commit
1 file changed, 3 insertions(+)
create mode 100644 file1

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git log
commit 9c3f6848d156bfb5569fef38f3c9223d0275c40a (HEAD -> master)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:30:08 2024 +0530

    1st commit

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ |

```

- Create a new branch using the command git branch dev.
- git checkout <branch name> is move from one branch to another branch.

- File created in workspace will be visible in any of the branch until you commit, once you commit, then that file belongs to that particular branch.
- Create file in dev branch using command vi file2.
- To see the content in file cat <filename>. Create another file in dev branch

```

MINGW64/c:/Users/umama/OneDrive/Desktop/chinni
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git branch dev

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git checkout dev
Switched to branch 'dev'

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ ls
file1

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ vi file2

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ cat file2
aaaaaaaaaaaaaaaa
bbbbbbbbbbbbbbbb
cccccccccccccccc

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ vi file3

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ cat file3
111111111111
222222222222
333333333333

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ |

```

- git add filename is used to move the file from working directory to staging area.
- git commit is used to move file from staging area to local repository.
- git log is used to see show the how many commits we did. We see here 2 commits.
- Same do for file3 also.
- Git log we see here 3 commits.

```
MINGW64/c/Users/umama/OneDrive/Desktop/chinni
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git add file2
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git log
commit 9c3f6848d156bfb5569fef38f3c9223d0275c40a (HEAD -> dev, master)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:30:08 2024 +0530

    1st commit

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git commit -m "2nd commit"
[dev b35428d] 2nd commit
    1 file changed, 3 insertions(+)
    create mode 100644 file2

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git log
commit b35428d93fb5e289d5c66ce7d5075fcbef498b1f (HEAD -> dev)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:34:26 2024 +0530

    2nd commit

commit 9c3f6848d156bfb5569fef38f3c9223d0275c40a (master)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:30:08 2024 +0530

    1st commit
```

```
MINGW64/c/Users/umama/OneDrive/Desktop/chinni
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git add file3
warning: in the working copy of 'file3', LF will be replaced by CRLF the next time Git touches it

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git commit -m "3rd commit"
[dev c56485a] 3rd commit
    1 file changed, 3 insertions(+)
    create mode 100644 file3

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git log
commit c56485a0d4d6145854de640e92b9afa59a320925 (HEAD -> dev)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:35:56 2024 +0530

    3rd commit

commit b35428d93fb5e289d5c66ce7d5075fcbef498b1f
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:34:26 2024 +0530

    2nd commit

commit 9c3f6848d156bfb5569fef38f3c9223d0275c40a (master)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:30:08 2024 +0530

    1st commit

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$
```

- To move from one branch we use the command as `git checkout <branch name>`.
- cherry-pick command is used for coping the particular file from one branch to another branch and the command is `git cherry-pick <copy and paste the commit id of particular file>`
- We see the file in the master branch.

```
MINGW64/c:/Users/umama/OneDrive/Desktop/chinni
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git checkout master
Switched to branch 'master'

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git checkout dev
Switched to branch 'dev'

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git log
commit c56485a0d4d6145854de640e92b9afa59a320925 (HEAD -> dev)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:35:56 2024 +0530

    3rd commit

commit b35428d93fb5e289d5c66ce7d5075fcbe498b1f
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:34:26 2024 +0530

    2nd commit

commit 9c3f6848d156bfb5569fef38f3c9223d0275c40a (master)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:30:08 2024 +0530

    1st commit

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$
```

```
MINGW64/c:/Users/umama/OneDrive/Desktop/chinni
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (dev)
$ git checkout master
Switched to branch 'master'

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git cherry-pick c56485a0d4d61
[master d30fcba] 3rd commit
Date: Thu Apr 11 10:35:56 2024 +0530
    1 file changed, 3 insertions(+)
    create mode 100644 file3

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git log
commit d30fcba1171f9b68a712b4803466a55597570d9 (HEAD -> master)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:35:56 2024 +0530

    3rd commit

commit 9c3f6848d156bfb5569fef38f3c9223d0275c40a
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:30:08 2024 +0530

    1st commit

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ |
```

- Now two branches merged by using the command `git merge <branch name>`.
- After merging we see the all commits in the master branch.


```
MINGW64~/OneDrive/Desktop/chinni (master)
$ git log
commit e559fb5b0e96e39f051db5f393b071b2ea609e2e (HEAD -> master)
Merge: d30fcba c56485a
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:40:35 2024 +0530

    Merge branch 'dev'

commit d30fcba1171f9b68a712b4803466a55597570d9
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:35:56 2024 +0530

    3rd commit

commit c56485a0d4d6145854de640e92b9afa59a320925 (dev)
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:35:56 2024 +0530

    3rd commit

commit b35428d93fb5e289d5c66ce7d5075fcbe498b1f
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:34:26 2024 +0530

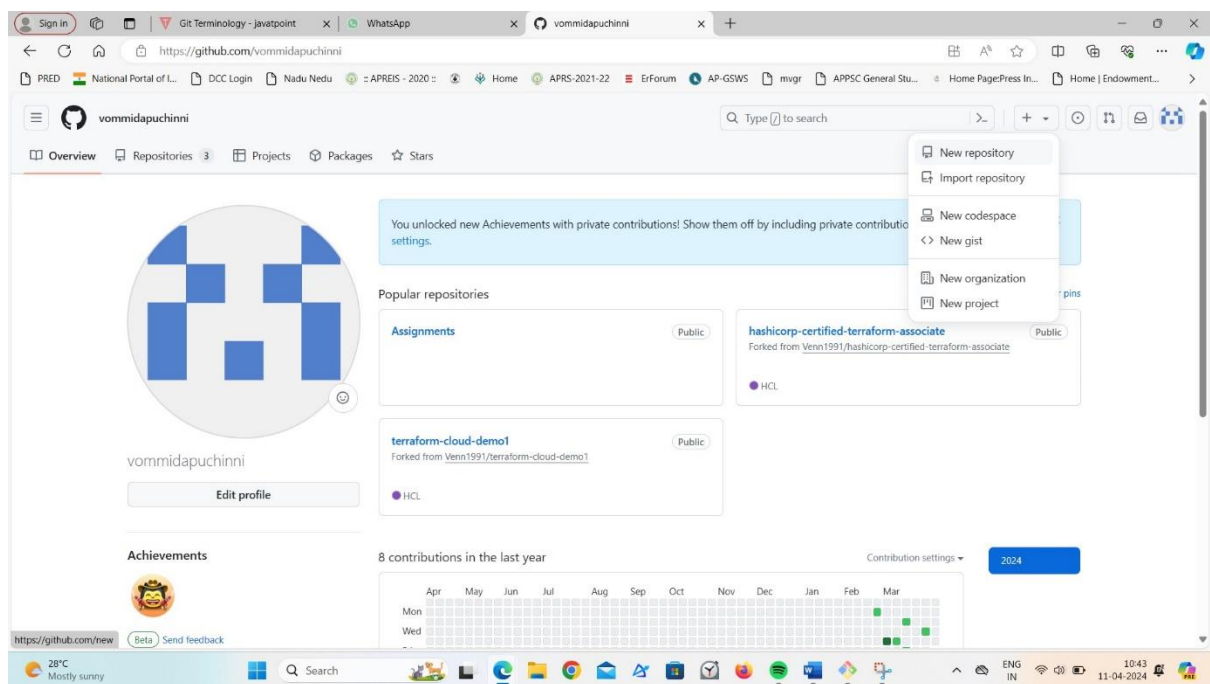
    2nd commit

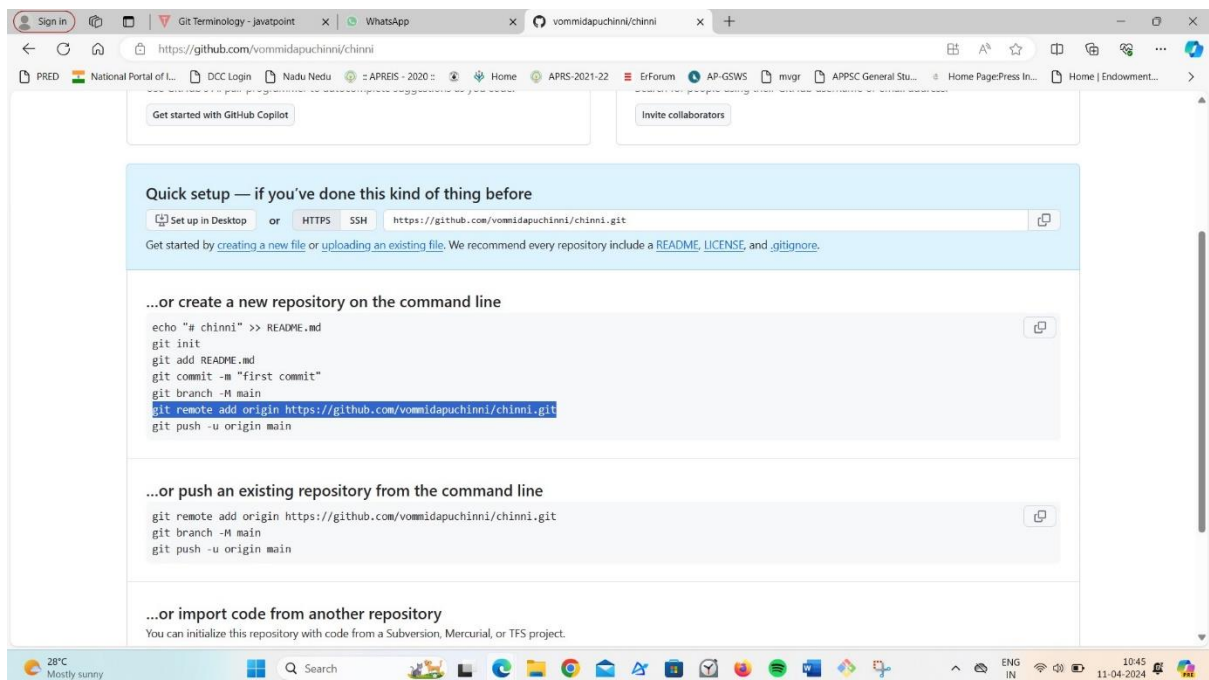
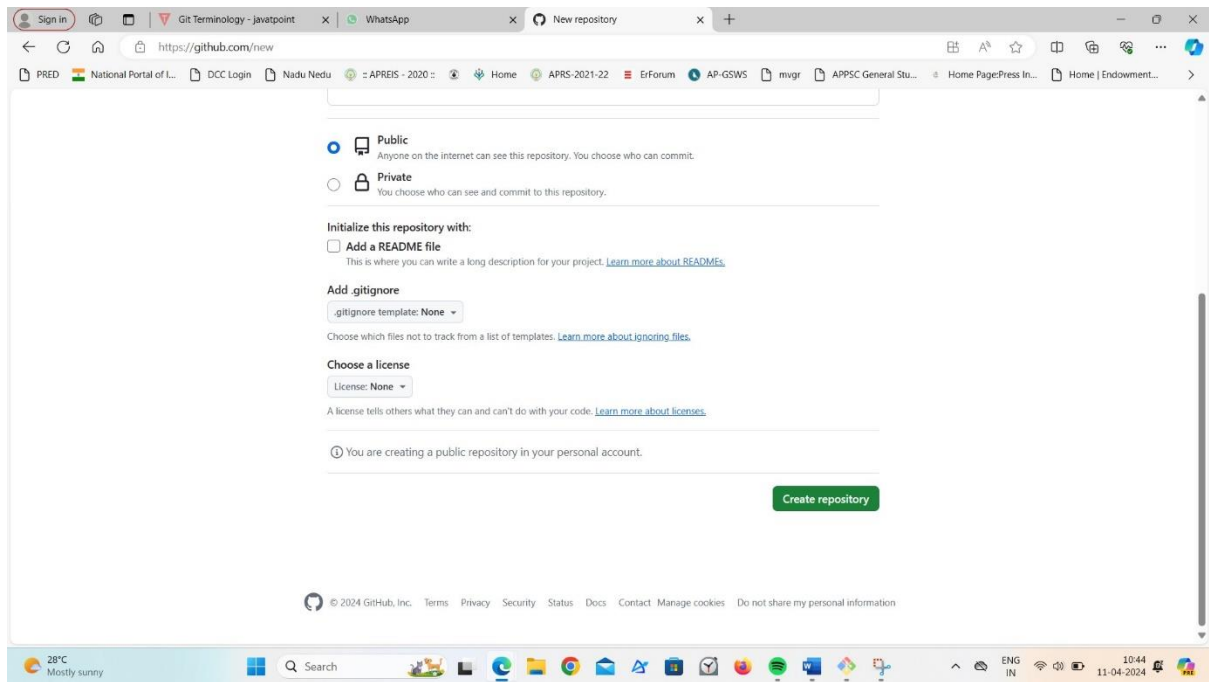
commit 9c3f6848d156bf5569fef38f3c9223d0275c40a
Author: vommidapuchinni <vommidapuchinni@gmail.com>
Date: Thu Apr 11 10:30:08 2024 +0530

    1st commit

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$
```

- Now go to GitHub account and create repository.





- And copy the git remote add URL paste into the gitbash
- “git push origin master” using this command files are upload into the repository
- Now we can see the files in the Repository

```
MINGW64~/c:/Users/umama/OneDrive/Desktop/chinni
umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git remote add origin https://github.com/vommidapuchinni/chinni.git

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ git push origin master
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 8 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (12/12), 970 bytes | 970.00 KiB/s, done.
Total 12 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/vommidapuchinni/chinni.git
 * [new branch]      master -> master

umama@DESKTOP-HBLJM57 MINGW64 ~/OneDrive/Desktop/chinni (master)
$ |
```

Sign in

Git Terminology - Javatpoint

WhatsApp

vommidapuchinni

https://github.com/vommidapuchinni/chinni

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Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

chinni

Public

Pin

Unwatch 1

Fork 0

Star 0

master

1 Branch

0 Tags

Go to file

Add file

Code

vommidapuchinni Merge branch 'dev'

e559fb5 - 6 minutes ago

5 Commits

file1

1st commit

17 minutes ago

file2

2nd commit

12 minutes ago

file3

3rd commit

7 minutes ago

README

Add a README

Help people interested in this repository understand your project by adding a README.

Add a README

About

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package