



## ASSIGNMENT – 5

COURSE : DEVOPS

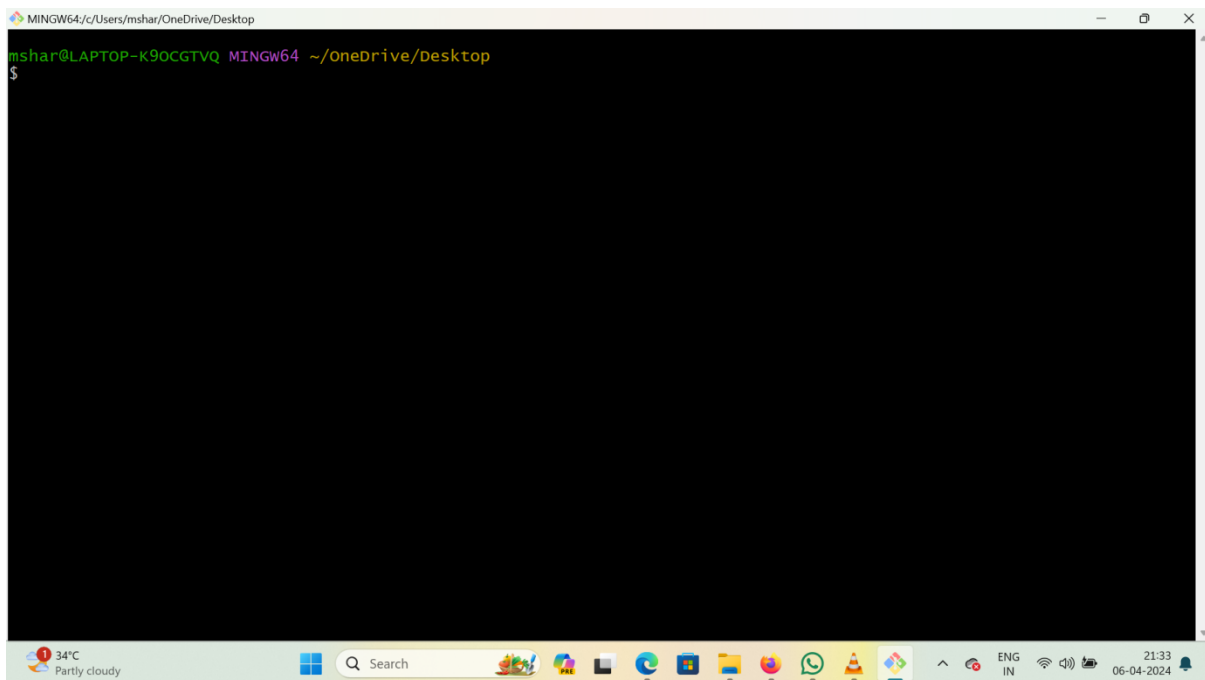
Trainer : Mr . MADHUKAR

NAME:A GNANESHWAR

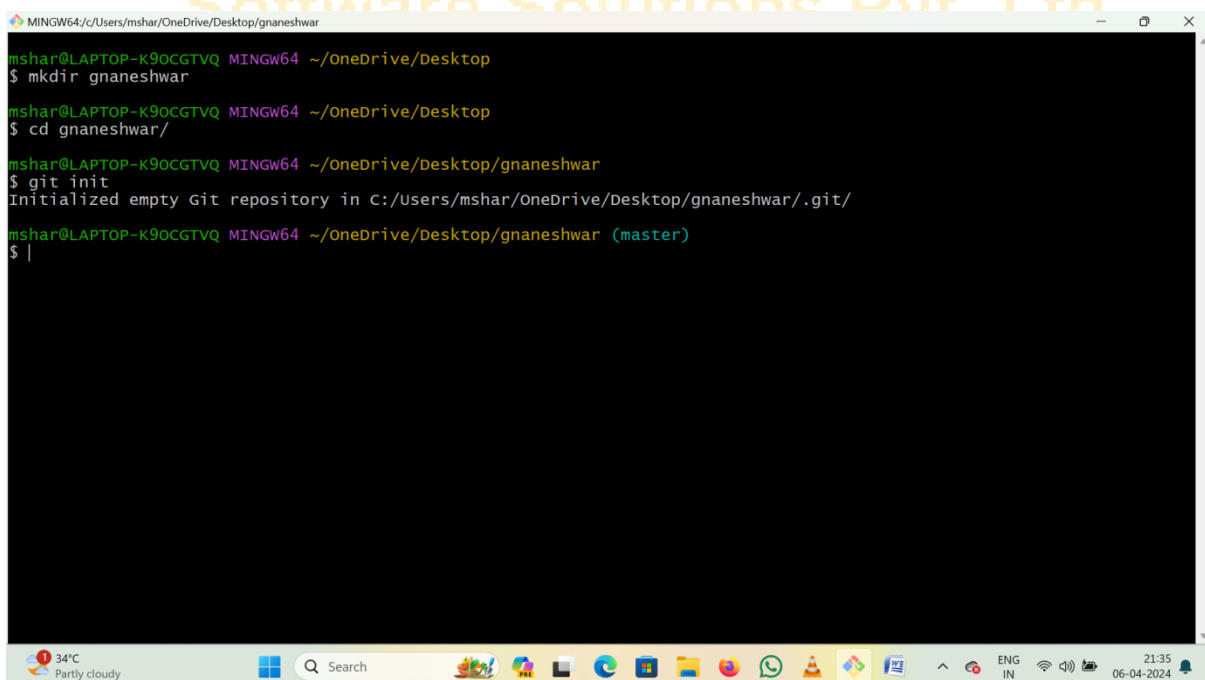
Mail id : gnaneshwar.addagulla@gmail.com

# 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 gitbash here then create a directory in desktop using command
- Command is :- `mkdir <directory name>`
- Initialize the created directory command is "git init"
- Default branch is "master"



A screenshot of a terminal window titled "MINGW64/c:/Users/mshar/OneDrive/Desktop". The prompt is "mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop". The cursor is on a new line, ready for input.



A screenshot of a terminal window titled "MINGW64/c:/Users/mshar/OneDrive/Desktop/gnaneswar". The prompt is "mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop". The user enters the command `mkdir gnaneswar`. The prompt changes to "mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop" and the user enters `cd gnaneswar/`. The prompt changes to "mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar". The user enters `git init`. The terminal output shows "Initialized empty git repository in c:/Users/mshar/OneDrive/Desktop/gnaneswar/.git/". The prompt changes to "mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)". The cursor is on a new line, ready for input.

- Now create a file in master branch and do the work flow (i.e., git add . & git commit)

```

MINGW64/c/Users/mshar/OneDrive/Desktop/gnaneswar
mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)
$ vi file1

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)
$ cat file1
aaaaaaaaaaaaab
bbbbbbb
cccccccccccc
dddddddddddddd

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)
$ git add .
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)
$ git commit -m "1st commit"
[master (root-commit) 7d2e040] 1st commit
1 file changed, 5 insertions(+)
create mode 100644 file1

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)
$ git log
commit 7d2e0401b4535b1c934ae38354fc4ed53f7abc2f (HEAD -> master)
Author: gnaneswar502 <gnaneswar.addagulla@gmail.com>
Date: Sat Apr 6 21:36:22 2024 +0530

    1st commit

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)
$

```

- Now create new branch and create files in new branch and do the work flow (i.e., git add . & git commit)
- New create & switch branch commands are : -
- git branch <branch Name>
- git checkout <branch Name>

```

MINGW64/c/Users/mshar/OneDrive/Desktop/gnaneswar
mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)
$ git branch dev

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (master)
$ git checkout dev
Switched to branch 'dev'

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (dev)
$ ls
file1

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (dev)
$ vi file2

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (dev)
$ cat file2
1111111111
2222222222
3333333333
4444444444

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (dev)
$ vi file3

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (dev)
$ cat file3
AAAAAAAAAAAA
BBBBBBBBBBBB
CCCCCCCCCCCC
DDDDDDDDDDDD

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneswar (dev)
$

```

```
MINGW64/c/Users/mshar/OneDrive/Desktop/gnaneshwar
mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ git log
commit 7d2e0401b4535b1c934ae38354fc4ed53f7abc2f (HEAD -> dev, master)
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:36:22 2024 +0530

    1st commit

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ git add file2
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ git commit -m "2nd commit"
[dev d0c7895] 2nd commit
1 file changed, 4 insertions(+)
create mode 100644 file2

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ git log
commit d0c7895190b0b42f327de5a11eb60393e8442a51 (HEAD -> dev)
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:41:18 2024 +0530

    2nd commit

commit 7d2e0401b4535b1c934ae38354fc4ed53f7abc2f (master)
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:36:22 2024 +0530

    1st commit

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ |
```

```
MINGW64/c/Users/mshar/OneDrive/Desktop/gnaneshwar
mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ git add file3
warning: in the working copy of 'file3', LF will be replaced by CRLF the next time Git touches it

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ git commit -m "3rd commit"
[dev 8c3144a] 3rd commit
1 file changed, 5 insertions(+)
create mode 100644 file3

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ git log
commit 8c3144a0eff44cd69b6383ff510ee12dcab59b8a (HEAD -> dev)
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:42:17 2024 +0530

    3rd commit

commit d0c7895190b0b42f327de5a11eb60393e8442a51
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:41:18 2024 +0530

    2nd commit

commit 7d2e0401b4535b1c934ae38354fc4ed53f7abc2f (master)
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:36:22 2024 +0530

    1st commit

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$
```

- Now using cherry-pick command we required file to be copied into one branch to another branch command is
- `git cherry-pick <first 7 or more digits commit id of we required>`

```
MINGW64/c/Users/mshar/OneDrive/Desktop/gnaneshwar

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (dev)
$ git checkout master
Switched to branch 'master'

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$ git cherry-pick d0c7895190b
[master e990d20] 2nd commit
Date: Sat Apr 6 21:41:18 2024 +0530
1 file changed, 4 insertions(+)
create mode 100644 file2

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$ git log
commit e990d20372cbbec98522474845634a9c2a537b5c (HEAD -> master)
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:41:18 2024 +0530

    2nd commit

commit 7d2e0401b4535b1c934ae38354fc4ed53f7abc2f
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:36:22 2024 +0530

    1st commit

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$
```

- Now two branches merge and push into the repository
- By git merge <branch Name> this command use merge two branches

```
MINGW64/c/Users/mshar/OneDrive/Desktop/gnaneshwar

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$ git merge dev
Merge made by the 'ort' strategy.
 file3 | 5 +++++
1 file changed, 5 insertions(+)
create mode 100644 file3

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$ git log
commit 06a69a1779c58c3ae1cc620df6ca1612f76cc195 (HEAD -> master)
Merge: a4e17e4 0f6d5bf
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:53:36 2024 +0530

    Merge branch 'dev'

commit a4e17e49f0d48e55e7f97f4fd1dd08f5919bd915
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:51:01 2024 +0530

    2nd commit

commit 0f6d5bf45a49d34472de5312e9ce7dc1ba554ca (dev)
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:51:53 2024 +0530

    3rd commit

commit cacc6221fcaa72b700b79e236d78e8ca1c0493cd
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:51:01 2024 +0530

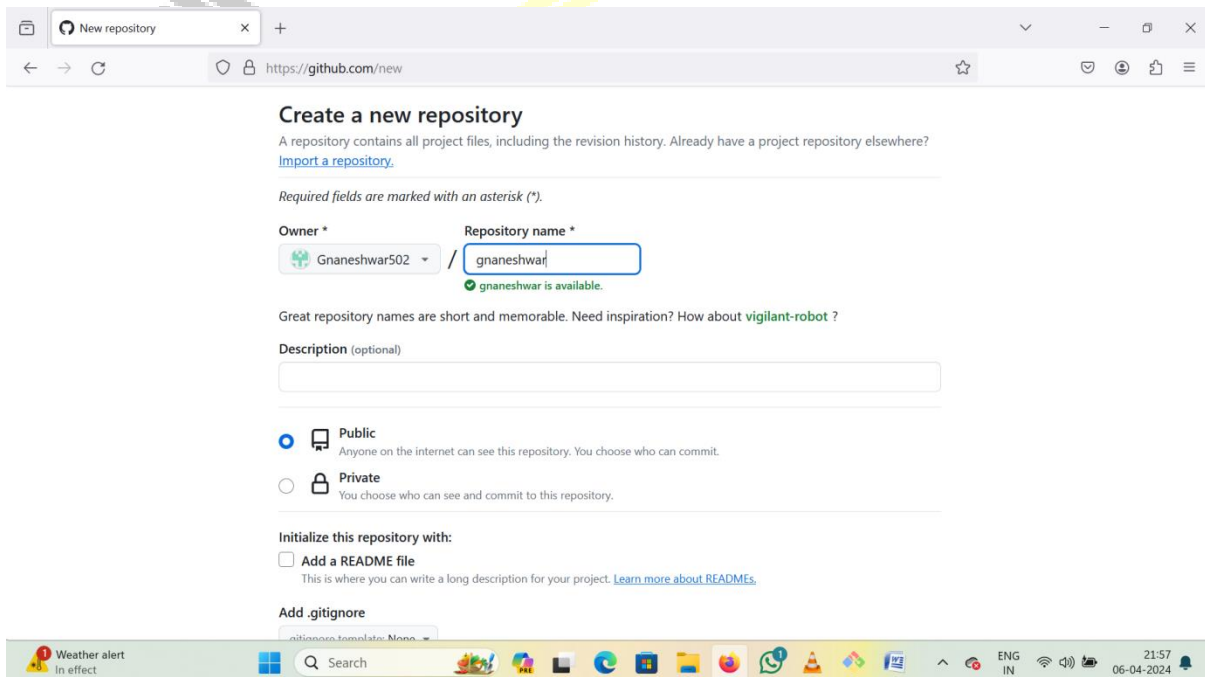
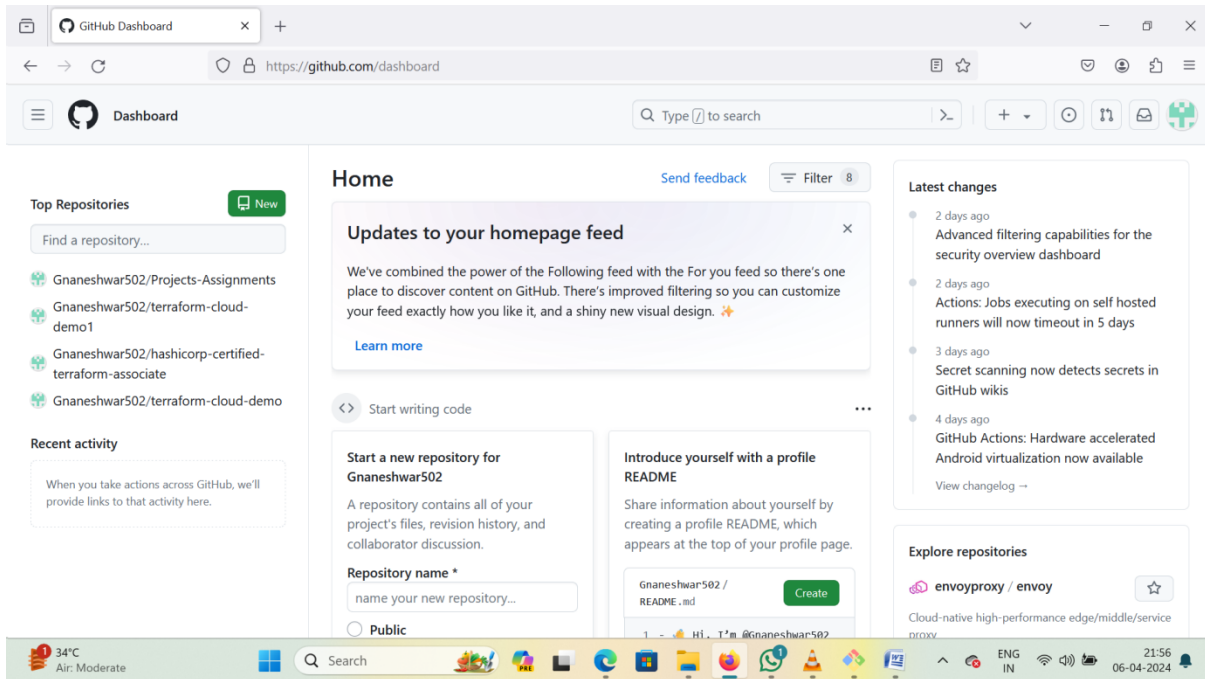
    2nd commit

commit 9f5eb321da4240e0ce9b46ba89a846e760dd17e
Author: Gnaneshwar502 <gnaneshwar.addagulla@gmail.com>
Date: Sat Apr 6 21:50:10 2024 +0530

    1st commit

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$ |
```

- Now go to GitHub account and create repository



New repository x +

https://github.com/new

You choose who can see and commit to this repository.

Initialize this repository with:

☐ Add a README file  
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore  
.gitignore template: None ▾

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license  
License: None ▾

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

ⓘ You are creating a public repository in your personal account.

Create repository

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- And copy the git remote add URL paste into the gitbash

Gnaneshwar502/gnaneshwar x +

https://github.com/Gnaneshwar502/gnaneshwar

**Set up GitHub Copilot**  
Use GitHub's AI pair programmer to autocomplete suggestions as you code.  
[Get started with GitHub Copilot](#)

**Add collaborators to this repository**  
Search for people using their GitHub username or email address.  
[Invite collaborators](#)

**Quick setup — if you've done this kind of thing before**

[Set up in Desktop](#) or [HTTPS](#) [SSH](#) `https://github.com/Gnaneshwar502/gnaneshwar.git` [Copy](#)

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

**...or create a new repository on the command line**

```
echo "# gnaneshwar" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/Gnaneshwar502/gnaneshwar.git
git push -u origin main
```

[Copy](#)

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- **"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/mshar/OneDrive/Desktop/gnaneshwar
mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$ git remote add origin https://github.com/Gnaneshwar502/gnaneshwar.git

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$ git push origin master
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 12 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (11/11), 874 bytes | 874.00 KiB/s, done.
Total 11 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/Gnaneshwar502/gnaneshwar.git
 * [new branch]      master -> master

mshar@LAPTOP-K9OCGTVQ MINGW64 ~/OneDrive/Desktop/gnaneshwar (master)
$
```

