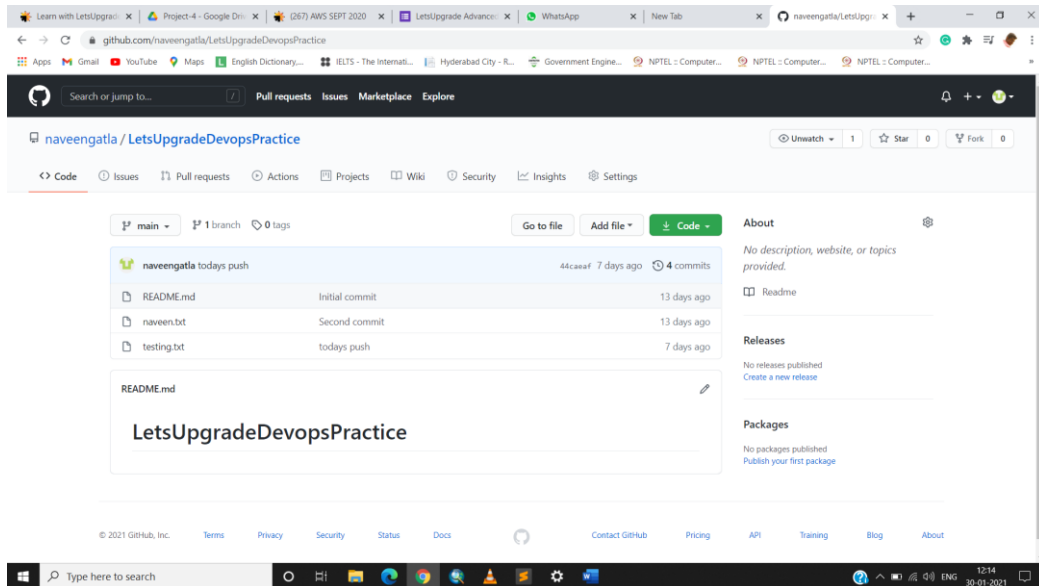


# ASSESSMENT PROJECT 4

## Git Project:

### Task1:

Create a repository in github



- Git init

```
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git init
Reinitialized existing Git repository in C:/chris-git_by_letsupgarde/.git/

Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$
```

- Both config commands

```
MINGW64/c/chris-git_by_letsupgarde

Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git init
Reinitialized existing Git repository in C:/chris-git_by_letsupgarde/.git/

Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git config --global user.email naveengatla96@gmail.com

Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git config --global user.name naveengatla

Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$
```

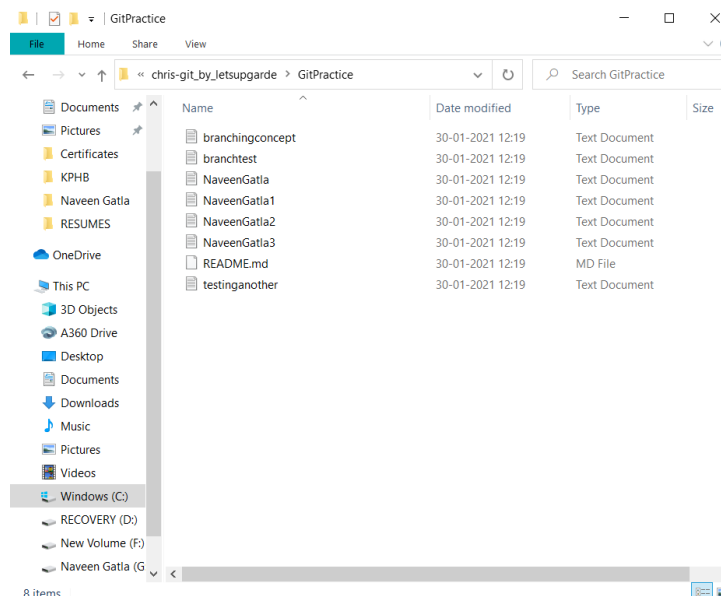
---

## Task2: open git bash and clone contents from remote repository

- clone

```
MINGW64/c/chris-git_by_letsupgarde
Naveen.Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git init
Reinitialized existing Git repository in C:/chris-git_by_letsupgarde/.git/
Naveen.Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git config --global user.email naveengatla96@gmail.com
Naveen.Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git config --global user.name naveengatla
Naveen.Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git clone https://github.com/naveengatla/LetsUpgradeDevopsPractice.git
fatal: destination path 'LetsUpgradeDevopsPractice' already exists and is not an empty directory.
Naveen.Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$ git clone https://github.com/naveengatla/GitPractice.git
Cloning into 'GitPractice'...
remote: Enumerating objects: 52, done.
remote: Counting objects: 100% (52/52), done.
remote: Compressing objects: 100% (37/37), done.
remote: Total 52 (delta 21), reused 41 (delta 11), pack-reused 0
Receiving objects: 100% (52/52), 5.35 KiB | 182.00 KiB/s, done.
Resolving deltas: 100% (21/21), done.
Naveen.Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde (master)
$
```

- show the folder in local repository



Task3: create a file in the local space and push it to the remote repository

- add
- commit
- push successful

```
Naveen Gatla@LAPTOP-S0JTD573 MINGW64 /c/chris-git_by_letsupgarde (master)
$ cd GitPractice/

Naveen Gatla@LAPTOP-S0JTD573 MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ ls
NaveenGatla.txt NaveenGatla1.txt NaveenGatla2.txt NaveenGatla3.txt README.md branchingconcept.txt branchtest.txt testinganother.txt

Naveen Gatla@LAPTOP-S0JTD573 MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ touch hii.txt

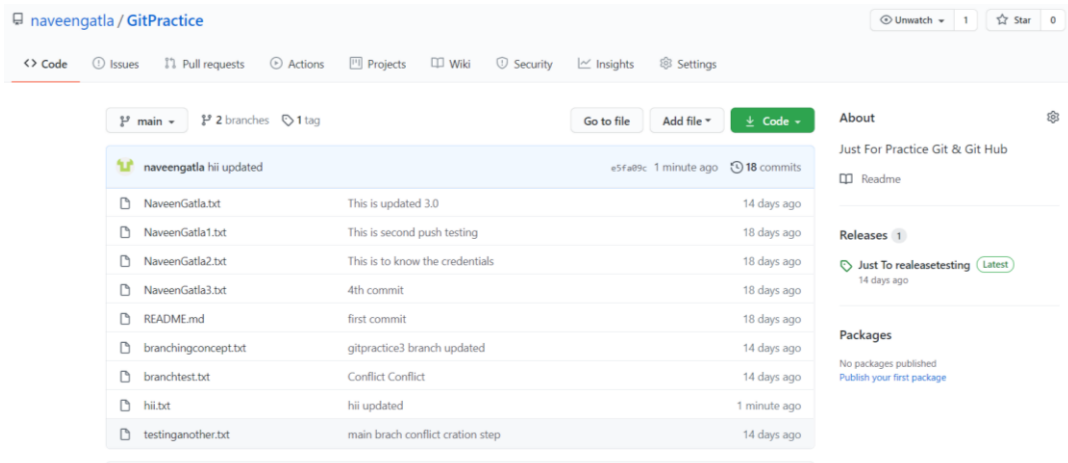
Naveen Gatla@LAPTOP-S0JTD573 MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git add hii.txt

Naveen Gatla@LAPTOP-S0JTD573 MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git commit -m "hii updated"
[main e5fa09c] hii updated
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 hii.txt

Naveen Gatla@LAPTOP-S0JTD573 MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git push
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), 262 bytes | 52.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/naveengatla/GitPractice.git
7723793..e5fa09c main -> main

Naveen Gatla@LAPTOP-S0JTD573 MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$
```

- show the file in remote repository



The screenshot displays the GitHub interface for the repository 'naveengatla / GitPractice'. At the top, there are navigation tabs for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below these, the repository's main branch 'main' is selected, showing 2 branches and 1 tag. The commit history table lists the following commits:

Commit	Message	Time	Commits
naveengatla hii updated	e5fa09c	1 minute ago	18 commits
NaveenGatla.txt	This is updated 3.0	14 days ago	
NaveenGatla1.txt	This is second push testing	18 days ago	
NaveenGatla2.txt	This is to know the credentials	18 days ago	
NaveenGatla3.txt	4th commit	18 days ago	
README.md	first commit	18 days ago	
branchingconcept.txt	gitpractice3 branch updated	14 days ago	
branchtest.txt	Conflict Conflict	14 days ago	
hii.txt	hii updated	1 minute ago	
testinganother.txt	main brach conflict cration step	14 days ago	

On the right side, the 'About' section shows the repository's description 'Just For Practice Git & Git Hub', a 'Readme' link, and a 'Releases' section with a 'Just To realeasetesting' release. The 'Packages' section indicates 'No packages published'.

## Task4: Branching and merging

Execute all commands and add screenshots

Git branching:

- git branch
- git branch branchname
- git checkout branchname

```
MINGW64/c/chris-git_by_letsupgarde/GitPractice
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git branch
* main
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git branch new
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git checkout new
Switched to branch 'new'
```

- git merge branchname
- git branch -d branchname

```
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (new)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git merge new
Already up to date.
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git branch -d new
Deleted branch new (was e5fa09c).
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ |
```

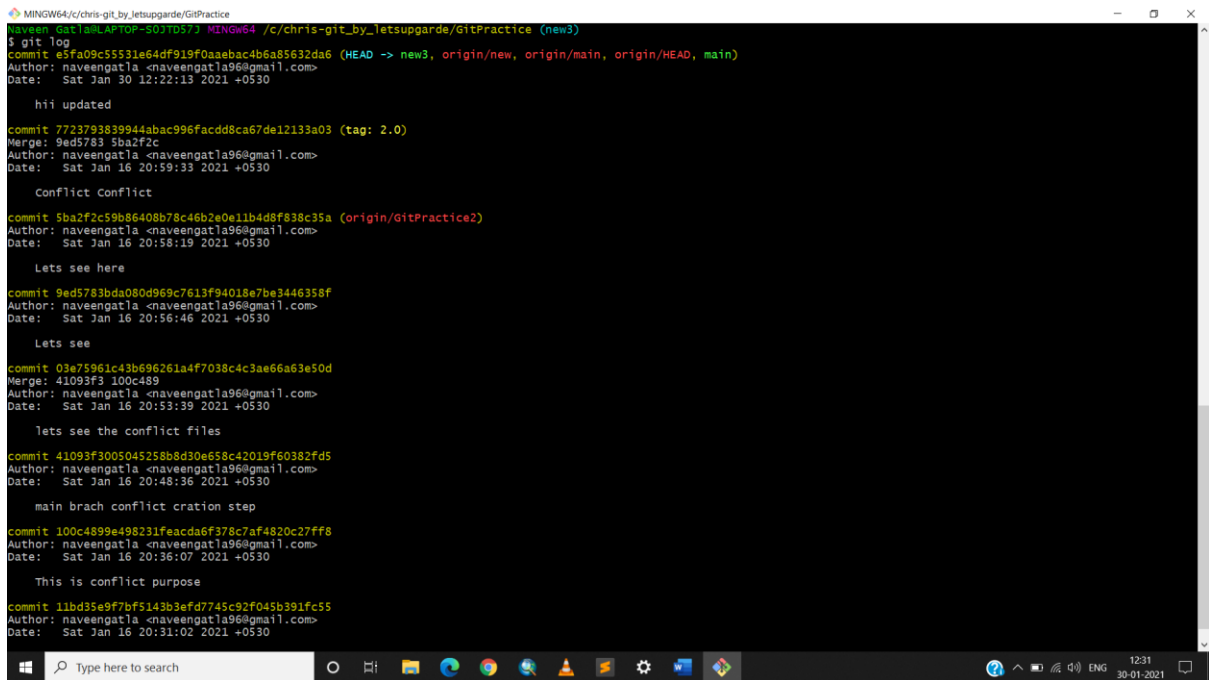
- git branch -D branchname

```
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git branch new2
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git branch -D new2
Deleted branch new2 (was e5fa09c).
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ |
```

- git checkout -b branchname

```
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (main)
$ git checkout -b new3
Switched to a new branch 'new3'
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (new3)
$ git branch
  main
* new3
Naveen Gatla@LAPTOP-S0JTD57J MINGW64 /c/chris-git_by_letsupgarde/GitPractice (new3)
$ |
```

- git log



```
MINGW64/c/chris-git_by_letsupgarde/GitPractice
Naveen Gatla@LAPTOP-S03TDS73 MINGW64 /c/chris-git_by_letsupgarde/GitPractice (new3)
$ git log
commit e5fa09c55531e64d919f0aaebac4b6a85632da6 (HEAD -> new3, origin/new, origin/main, origin/HEAD, main)
Author: naveengatla <naveengatla96@gmail.com>
Date: Sat Jan 30 12:22:13 2021 +0530

    hi! updated

commit 7723793839944abac996facdd8ca67de12133a03 (tag: 2.0)
Merge: 9ed5783 5ba2f2c
Author: naveengatla <naveengatla96@gmail.com>
Date: Sat Jan 16 20:59:33 2021 +0530

    Conflict Conflict

commit 5ba2f2c59b86408b78c46b2e0e11b4d8f838c35a (origin/GitPractice2)
Author: naveengatla <naveengatla96@gmail.com>
Date: Sat Jan 16 20:58:19 2021 +0530

    Lets see here

commit 9ed5783bda080d969c7613f94018e7be3446358f
Author: naveengatla <naveengatla96@gmail.com>
Date: Sat Jan 16 20:56:46 2021 +0530

    Lets see

commit 03e75961c43b696261a4f7038c4c3ae66a63e50d
Merge: 41093f3 100c489
Author: naveengatla <naveengatla96@gmail.com>
Date: Sat Jan 16 20:53:39 2021 +0530

    lets see the conflict files

commit 41093f3005045258b8d30e658c42019f60382fd5
Author: naveengatla <naveengatla96@gmail.com>
Date: Sat Jan 16 20:48:36 2021 +0530

    main brach conflict cration step

commit 100c4899e498231feacda6f378c7af4820c27ff8
Author: naveengatla <naveengatla96@gmail.com>
Date: Sat Jan 16 20:36:07 2021 +0530

    This is conflict purpose

commit 11bd35e9f7bf5143b3efd7745c92f045b391fc55
Author: naveengatla <naveengatla96@gmail.com>
Date: Sat Jan 16 20:31:02 2021 +0530
```