

# Assignment 2A

32 Nishant N

## #checking git version

```
MINGW64:/c/Users/91830

91830@NISHANT MINGW64 ~ (main)
$ git --version
git version 2.36.0.windows.1
```

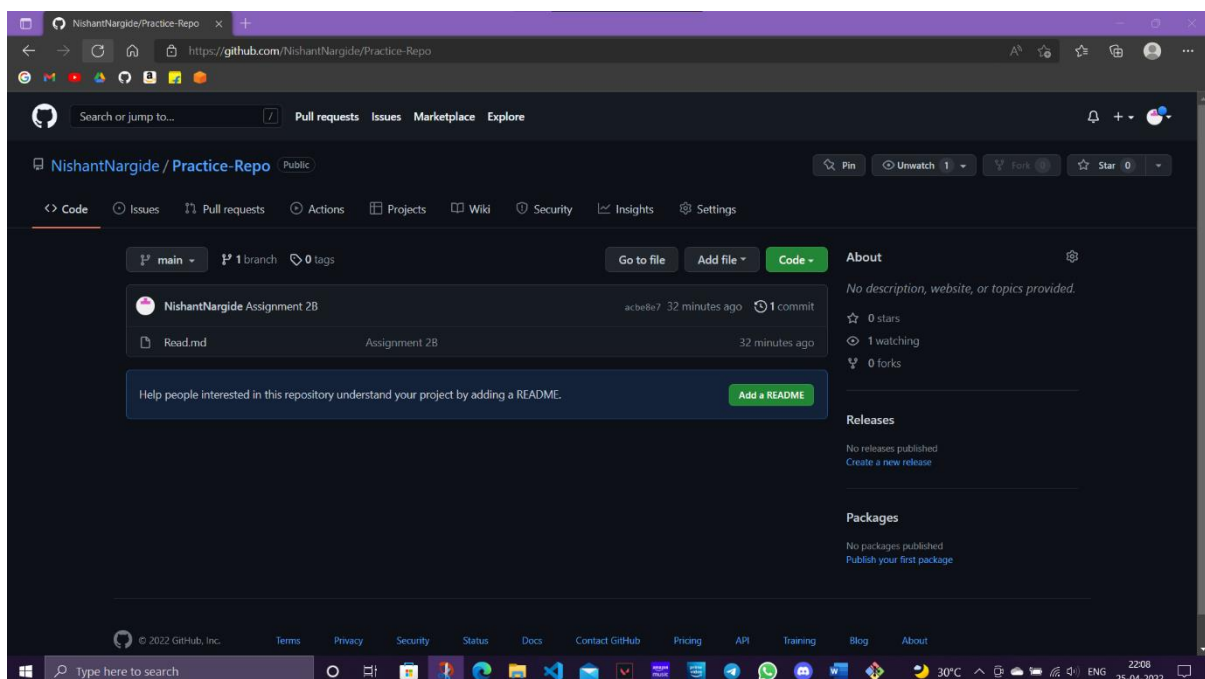
## #configuring name and email

```
MINGW64:/c/Users/91830

91830@NISHANT MINGW64 ~ (main)
$ git config --global user.name Nishant-Nargide

91830@NISHANT MINGW64 ~ (main)
$ git config --global user.email nargidenishant@gmail.com
```

## #New Repository



## #git init

```
MINGW64:/c/Users/91830/practice-folder
91830@NISHANT MINGW64 ~ (main)
$ mkdir practice-folder

91830@NISHANT MINGW64 ~ (main)
$ cd practice-folder

91830@NISHANT MINGW64 ~/practice-folder (main)
$ git init
Initialized empty Git repository in C:/Users/91830/practice-folder/.git/

91830@NISHANT MINGW64 ~/practice-folder (master)
$ ls

91830@NISHANT MINGW64 ~/practice-folder (master)
$ ls -a
./ ../ .git/
```

## #git status

```
MINGW64:/c/Users/91830/practice-folder
91830@NISHANT MINGW64 ~/practice-folder (master)
$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
```

## #Adding files to staging area

```
91830@NISHANT MINGW64 ~/practice-folder (master)
$ git add Read.md

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Read.md
```

## #commit files to local repository

```
MINGW64:/c/Users/91830/practice-folder

new file:   Read.md

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git add Read.md

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git commit -m "Assignment 2B"
[master (root-commit) acbe8e7] Assignment 2B
1 file changed, 4 insertions(+)
create mode 100644 Read.md

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git log
commit acbe8e77d987be12eab9066eed4f325ed392b503 (HEAD -> master)
Author: Nishant-Nargide <nargidenishant@gmail.com>
Date:   Mon Apr 25 21:36:48 2022 +0530

    Assignment 2B

91830@NISHANT MINGW64 ~/practice-folder (master)
$
```

## #switching head from master to any previous commit

```
MINGW64:/c/Users/91830/practice-folder

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git checkout acbe8e77d987be12eab9066eed4f325ed392b503
Note: switching to 'acbe8e77d987be12eab9066eed4f325ed392b503'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at acbe8e7 Assignment 2B
```

## #creating new branch

```
MINGW64:/c/Users/91830/practice-folder

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at acbe8e7 Assignment 2B

91830@NISHANT MINGW64 ~/practice-folder ((acbe8e7...))
$ git checkout master
Switched to branch 'master'

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git branch dev

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git branch
  dev
* master

91830@NISHANT MINGW64 ~/practice-folder (master)
$ git checkout dev
Switched to branch 'dev'

91830@NISHANT MINGW64 ~/practice-folder (dev)
$ git checkout -b nishant/Read.md
Switched to a new branch 'nishant/Read.md'

91830@NISHANT MINGW64 ~/practice-folder (nishant/Read.md)
$ git branch
  dev
  master
* nishant/Read.md
```

## #merging two branches

```
91830@NISHANT MINGW64 ~/practice-folder (nishant/Read2.md)
$ git checkout dev
Switched to branch 'dev'
M   Read.md

91830@NISHANT MINGW64 ~/practice-folder (dev)
$ git merge nishant/Read2.md
Already up to date.
```

## #push code on github

```
MINGW64/c/Users/91830/practice-folder
Already up to date.

91830@NISHANT MINGW64 ~/practice-folder (dev)
$ git remote add origin https://github.com/NishantNargide/Practice-Repo.git

91830@NISHANT MINGW64 ~/practice-folder (dev)
$ git branch -M main

91830@NISHANT MINGW64 ~/practice-folder (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 355 bytes | 355.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/NishantNargide/Practice-Repo.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

## #push a branch on github

```
MINGW64/c/Users/91830/practice-folder

91830@NISHANT MINGW64 ~/practice-folder (main)
$ git branch dev

91830@NISHANT MINGW64 ~/practice-folder (main)
$ git checkout dev
Switched to branch 'dev'
M      Read.md

91830@NISHANT MINGW64 ~/practice-folder (dev)
$ git push -u origin dev
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'dev' on GitHub by visiting:
remote:   https://github.com/NishantNargide/Practice-Repo/pull/new/dev
remote:
To https://github.com/NishantNargide/Practice-Repo.git
 * [new branch]      dev -> dev
branch 'dev' set up to track 'origin/dev'.
```

## #after push operation

