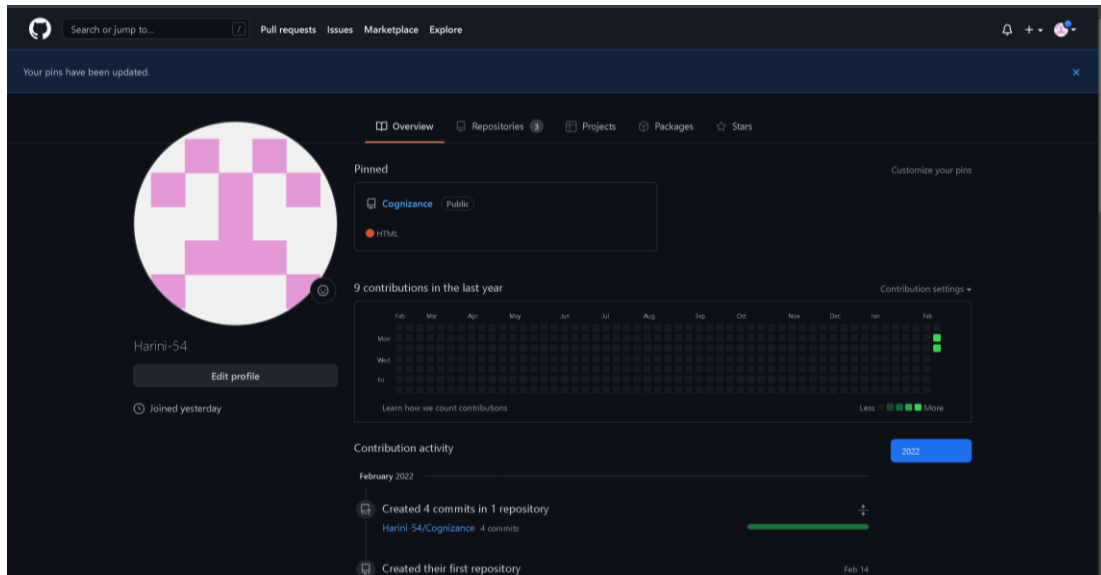


## TASK:

- Create Repository:



```
Harini@LAPTOP-B18G5B8E MINGW64 /c/users/Harini
$ ls
-1.14-windows.xml
AppData/
'Application Data'@
Cognizance/
Cookies@
Documents/
Downloads/
Favorites/
IntelGraphicsProfiles/
Links/
'Local Settings'@
Music/
'My Documents'@
NTUSER.DAT
NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.b1f
NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.container00000000000000000000
1.regtrans-ms
NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.container00000000000000000000
2.regtrans-ms
NetHood@
OneDrive/
PrintHood@
README.md
Recent@
'Saved Games' /
searches/
sendTo@
'Start Menu'@
Templates@
Videos/
'VirtualBox VMs' /
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

Harini@LAPTOP-B18G5B8E MINGW64 /c/users/Harini
$
```

- Create a Task-1 folder in git bash

```
MINGW64/c/users/Harini/Cognizance/Task-1

Harini@LAPTOP-B1BG5B8E MINGW64 ~
$ cd c:

Harini@LAPTOP-B1BG5B8E MINGW64 /c
$ cd users

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users
$ cd Harini

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini
$ cd cognizance

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance (main)
$ ls
README.md  test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance (main)
$ mkdir Tak-1

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance
$ mkdir Task-1

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance
$ cd Task-1

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance/Task-1
$
```

## GIT OPERATIONS:

### 1. git add:

```
Harini@LAPTOP-B1BG5B8E MINGW64 /c
$ touch test.txt
touch: cannot touch 'test.txt': Permission denied

Harini@LAPTOP-B1BG5B8E MINGW64 /c
$ cd cognizance
> AC

Harini@LAPTOP-B1BG5B8E MINGW64 /c
$ cd cognizance

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ touch test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git add test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$
```

## 2. git reset:

```
Harini@LAPTOP-B1BG5B8E MINGW64 /c
$ touch test.txt
touch: cannot touch 'test.txt': Permission denied

Harini@LAPTOP-B1BG5B8E MINGW64 /c
$ cd Cognizance'
> ^C

Harini@LAPTOP-B1BG5B8E MINGW64 /c
$ cd cognizance

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ touch test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git add test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git reset


Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$
```

## 3. git checkout:

```
 MINGW64:/c/Cognizance

Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (main)
$ git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.
```

## 4. git checkout -b:

```
Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (main)
$ git checkout -b feature
Switched to a new branch 'feature'

Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (feature)
$ git clone https://github.com/Harini-54/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.


Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (feature)
$ ls
Cognizance/  README.md  test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (feature)
$
```

## 5. git clone:

```
Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (feature)
$ git clone https://github.com/Harini-54/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

## 6. git commit:

```
 MINGW64:/c/Cognizance

Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (main)
$ git commit -m "my next commit"
[main 58766a6] my next commit
 2 files changed, 1 insertion(+)
 create mode 160000 Cognizance
 create mode 100644 test.txt
```

## 7. git commit -a:

```
MINGW64:/c/users/Harini/Cognizance

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        cognizance/
        README.md
        demo2.txt
        test.txt

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

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance (master)
$ git add demo2.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   demo2.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        cognizance/
        README.md
        test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance (master)
$ git commit -a
hint: waiting for your editor to close the file... unix2dos: converting file c:/
Users/Harini/Cognizance/.git/COMMIT_EDITMSG to DOS format...
dos2unix: converting file c:/Users/Harini/Cognizance/.git/COMMIT_EDITMSG to Unix
format...
[master (root-commit) 308d1c3] Hello
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 demo2.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/users/Harini/Cognizance (master)
$
```

## 8. git fetch:

```
MINGW64:/c/Cognizance

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git checkout fetch
error: pathspec 'fetch' did not match any file(s) known to git

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git fetch
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 661 bytes | 94.00 KiB/s, done.
From https://github.com/Harini-54/Cognizance
 * [new branch]      fetch      -> origin/fetch

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git checkout fetch
Switched to a new branch 'fetch'
D       cognizance
D       README.md
D       test.txt
branch 'fetch' set up to track 'origin/fetch'.

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (fetch)
$ ls
README.md  test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (fetch)
$
```

## 9. git merge:

```
MINGW64:/c/Cognizance

Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (fetch)
$ git merge
Already up to date.

Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (fetch)
$
```

## 10. git push:

```
Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (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), 325 bytes | 325.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Harini-54/Cognizance.git
   e5dfa45..58766a6  main -> main

Harini@LAPTOP-B1BG5B8E MINGW64 /c/Cognizance (main)
$
```

## 11. git pull:

```
Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git pull origin main
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 735 bytes | 122.00 KiB/s, done.
From https://github.com/Harini-54/Cognizance
 * branch            main       -> FETCH_HEAD
   58766a6..67c96a5  main       -> origin/main
Updating 58766a6..67c96a5
Fast-forward
 file.html | 2 ++
 1 file changed, 2 insertions(+)
 create mode 100644 file.html

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ ls
README.md  test.txt

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$
```

## 12. git rebase:

```
Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git rebase main
error: cannot rebase: You have unstaged changes.
error: Please commit or stash them.

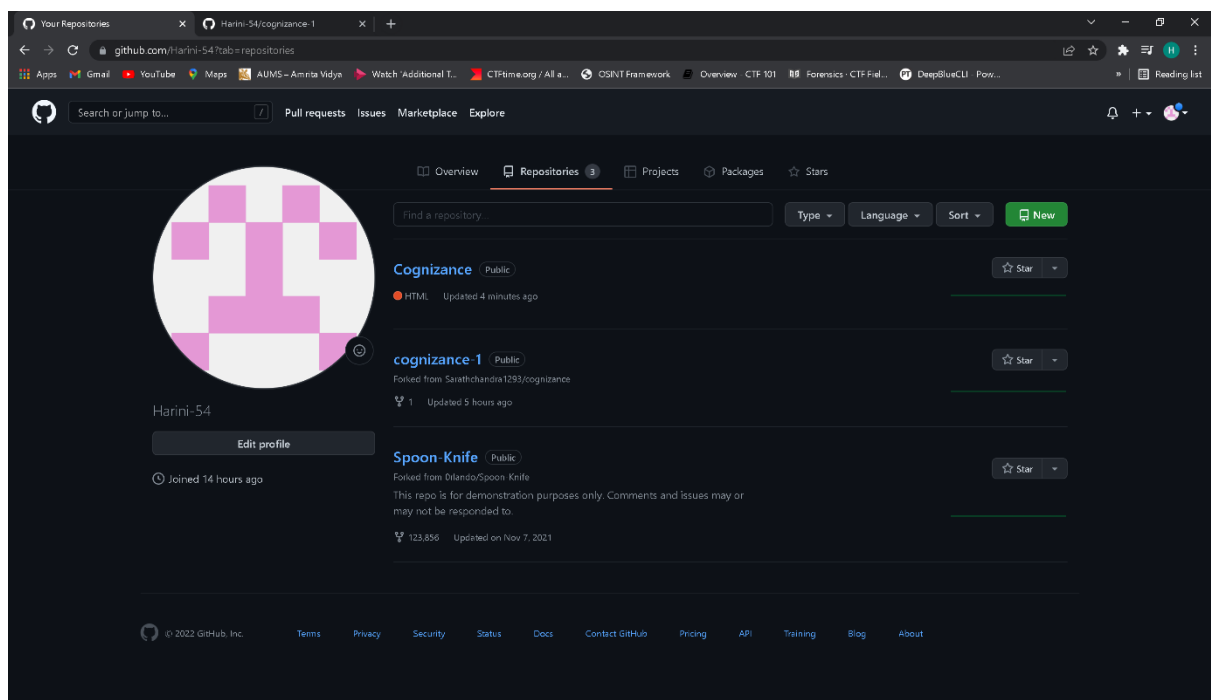
Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git stash
Saved working directory and index state WIP on main: 67c96a5 Create file.html

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ git rebase main
Current branch main is up to date.

Harini@LAPTOP-B1BG5B8E MINGW64 /c/cognizance (main)
$ |
```

## 13. git fork:

I forked a repository of my friend Sarath Chandra and of some random repository spoon knife.



## 14. git config ---list --show-origin:

```
MINGW64:/c/Cognizance
Harini@LAPTOP-B18G5B8E MINGW64 /c/Cognizance (main)
$ git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=false
file:C:/Program Files/Git/etc/gitconfig core.editor=notepad
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/Harini/.gitconfig user.name=Harini-54
file:C:/Users/Harini/.gitconfig user.email=ch.en.u4cys21054@ch.students.amrita.edu
file:C:/Users/Harini/.gitconfig gui.recentrepo=D:/git
file:C:/Users/Harini/.gitconfig gui.recentrepo=C:/Users/Harini
file:.git/config core.repositoryformatversion=0
file:.git/config core.filemode=false
file:.git/config core.bare=false
file:.git/config core.logallrefupdates=true
file:.git/config core.symlinks=false
file:.git/config core.ignorecase=true
file:.git/config core.worktree=C:/Users/Harini
file:.git/config remote.origin.url=https://github.com/Harini-54/Cognizance.git
file:.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
file:.git/config branch.main.remote=origin
file:.git/config branch.main.merge=refs/heads/main
file:.git/config branch.fetch.remote=origin
file:.git/config branch.fetch.merge=refs/heads/fetch
file:.git/config advice.addemptypathspec=false
Harini@LAPTOP-B18G5B8E MINGW64 /c/Cognizance (main)
$ |
```