COGNIZANCE

Task 1 (GIT & GITHUB)

1.Creating a repository

```
Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ pwd
/e/cognizance

Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ mkdir Cognizance

Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ ls
Cognizance/  Test  text2.txt

Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ cd Cognizance

Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (main)
$ git init
Initialized empty Git repository in E:/Cognizance/Cognizance/.git/
```

2.git add

```
Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ git add test1.txt

Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   test1.txt

Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ |
```

3.git checkout

```
Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ git checkout
Your branch is up to date with 'origin/main'.

Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ git checkout Sai
Switched to branch 'Sai'

Sai Pavan@Sai MINGW64 /e/cognizance (Sai)
$ git checkout -b
```

4. git checkout -b

```
MINGW64:/e/cognizance

Sai Pavan@Sai MINGW64 /e/cognizance (Sai)
$ git branch
* Sai
  main
  new_branch

Sai Pavan@Sai MINGW64 /e/cognizance (Sai)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ git checkout -b Gowtham
Switched to a new branch 'Gowtham'

Sai Pavan@Sai MINGW64 /e/cognizance (Gowtham)
$ git branch
* Gowtham
  Sai
  main
  new_branch

Sai Pavan@Sai MINGW64 /e/cognizance (Gowtham)
$
```

5.git clone

```
Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ git clone https://github.com/smilest-soul/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ |
```

6.git commit

```
Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ git commit -m "my file "
[master (root-commit) 67990a2] my file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 test1.txt

Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$
```

7.git fetch

```
Sai Pavan@Sai MINGW64 /e/Cognizance (main)
$ git fetch
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 1.22 KiB | 4.00 KiB/s, done.
From https://github.com/smilest-soul/Cognizance
   6b808c2..9893b50  main        -> origin/main
```

8. git merge

```
Sai Pavan@Sai MINGW64 /e/Cognizance (main)
$ git merge
Updating 6b808c2..9893b50
Fast-forward
 test 3 | 1 +
 text 3 | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 test 3
 create mode 100644 text 3
```

9. git push

```
Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 229 bytes | 229.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/smilest-soul/Cognizance.git
 * [new branch]      main -> main

Sai Pavan@Sai MINGW64 /e/cognizance (main)
$ |
```

10. git reset

```
Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ git reset

Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        test1.txt

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

Sai Pavan@Sai MINGW64 /e/cognizance/Cognizance (master)
$ |
```

11.git commit -a

```
Sai Pavan@Sai MINGW64 /e/Cognizance (Sai)
$ git commit -a
[Sai 7f1efac] Nothing
 2 files changed, 6 insertions(+)
 create mode 160000 Cognizance
```
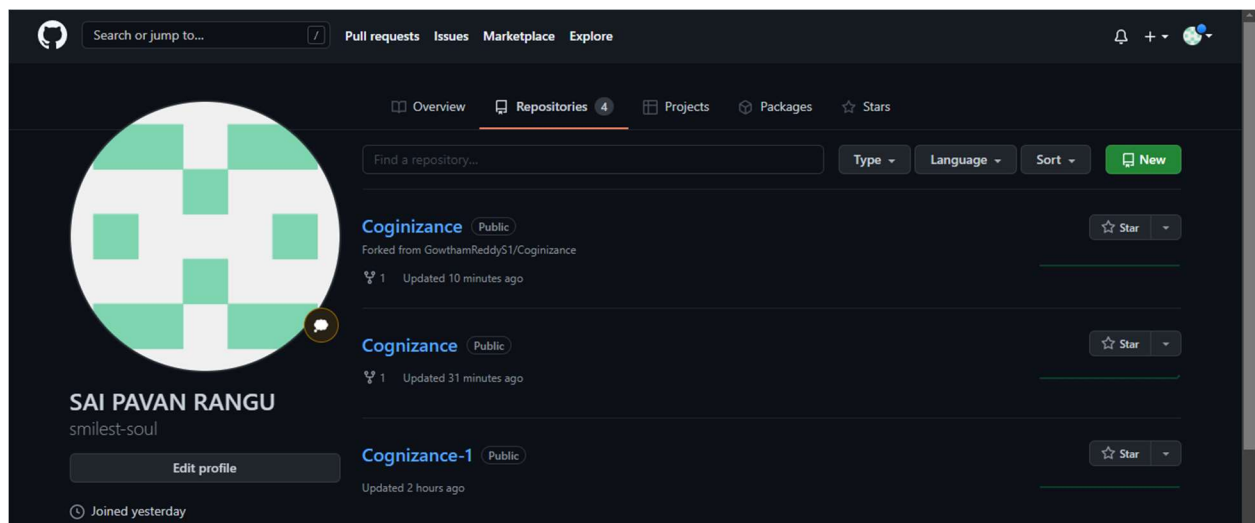
12.git pull

```
Sai Pavan@Sai MINGW64 /e/Cognizance (main)
$ git pull
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), 670 bytes | 2.00 KiB/s, done.
From https://github.com/smilest-soul/Cognizance
   9893b50..359a7d3  main          -> origin/main
Updating 9893b50..359a7d3
Fast-forward
 Gowtham | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 Gowtham
```

13.git rebase

```
Sai Pavan@Sai MINGW64 /e/Cognizance (Sai)
$ git rebase main
Successfully rebased and updated refs/heads/Sai.

Sai Pavan@Sai MINGW64 /e/Cognizance (Sai)
$ |
```

14.fork

15.Username and Email

```
init.defaultbranch=master
user.name=Sai Pavan Rangu
user.email=rangusaipavan@gmail.com
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true

Sai Pavan@Sai MINGW64 ~
$ git config user.email
rangusaipavan@gmail.com

Sai Pavan@Sai MINGW64 ~
$
```

git - -list - -show


```
MINGW64:/c/Users/Hi                                                          —  □  ×

Sai Pavan@Sai MINGW64 ~
$ git config --list --show-

error: ambiguous option: show- (could be --show-origin or --show-scope)
usage: git config [<options>]

Config file location
    --global              use global config file
    --system              use system config file
    --local               use repository config file
    --worktree            use per-worktree config file
    -f, --file <file>     use given config file
    --blob <blob-id>      read config from given blob object

Action
    --get                 get value: name [value-pattern]
    --get-all             get all values: key [value-pattern]
    --get-regexp          get values for regexp: name-regex [value-patte
rn]
    --get-urlmatch        get value specific for the URL: section[.var]
URL
    --replace-all         replace all matching variables: name value [va
lue-pattern]
    --add                 add a new variable: name value
    --unset               remove a variable: name [value-pattern]
    --unset-all           remove all matches: name [value-pattern]
    --rename-section      rename section: old-name new-name
    --remove-section      remove a section: name
    -l, --list            list all
    --fixed-value         use string equality when comparing values to '
value-pattern'
    -e, --edit            open an editor
    --get-color           find the color configured: slot [default]
    --get-colorbool       find the color setting: slot [stdout-is-tty]

Type
    -t, --type <>         value is given this type
    --bool                value is "true" or "false"
    --int                 value is decimal number
    --bool-or-int         value is --bool or --int
    --bool-or-str         value is --bool or string
    --path                value is a path (file or directory name)
    --expiry-date         value is an expiry date

Other
    -z, --null            terminate values with NUL byte
    --name-only           show variable names only
    --includes            respect include directives on lookup
```