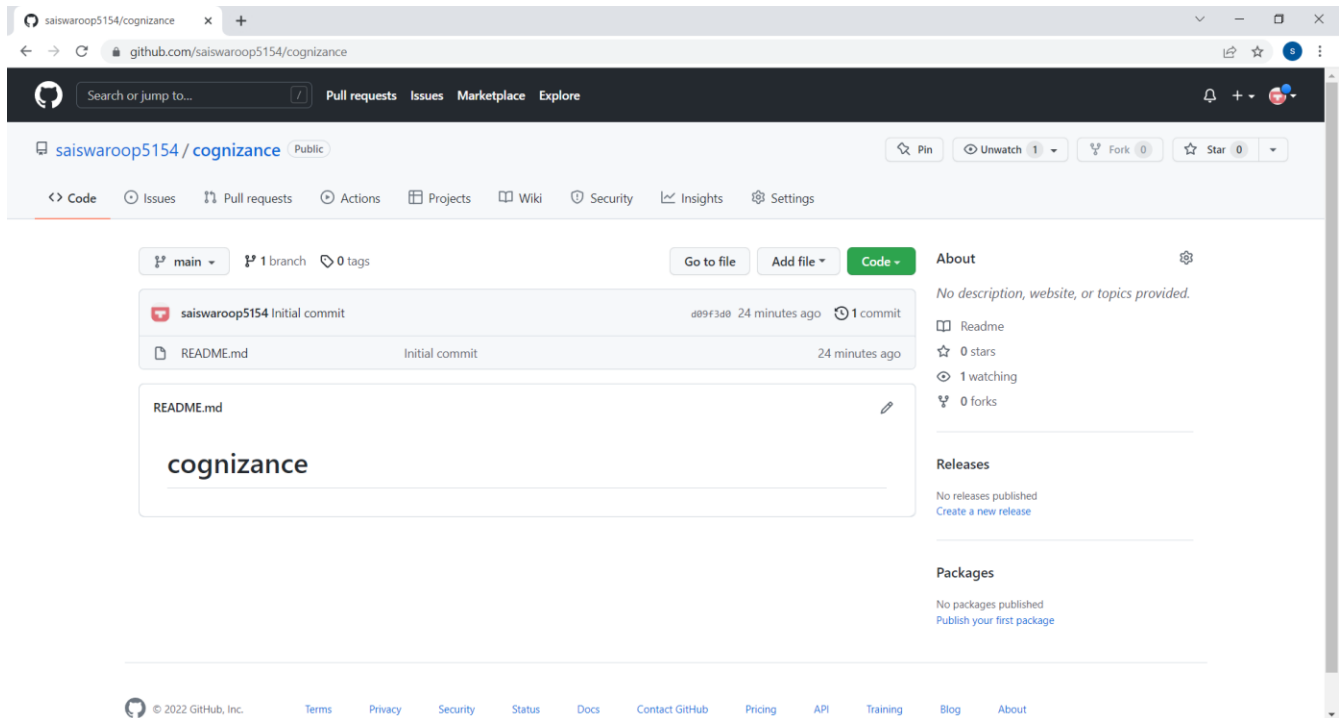# COGNIZANCE

TASK 1 [GIT & GITHUB]

1.Creating a repository:

2. git add:

3. git status:

```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (master)
$ git status
On branch master

No commits yet

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

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (master)
$ |
```

4. git commit:

```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (master)
$ git commit -m "my next commit"
[master (root-commit) 76283b8] my next commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 myfile_2.txt

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (master)
$
```

5.git checkout :

```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (master)
$ git checkout master
Already on 'master'

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (master)
$ |
```

6.git checkout –b:

```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (master)
$ git checkout master
Already on 'master'

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (master)
$ git checkout -b develop
Switched to a new branch 'develop'

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ |
```

7.git clone:

```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git clone https://github.com/saiswaroop5154/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.

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ |
```

8.git push:


```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git clone https://github.com/saiswaroop5154/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.

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git push
fatal: The current branch develop has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin develop


swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git push --set-upstream origin develop
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 217 bytes | 217.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:      https://github.com/saiswaroop5154/cognizance/pull/new/develop
remote:
To https://github.com/saiswaroop5154/cognizance.git
 * [new branch]      develop -> develop
branch 'develop' set up to track 'origin/develop'.

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git push
Everything up-to-date

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$
```

9.git merge:


```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git merge
Already up to date.

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$
```

10.git reset:


```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git log --oneline
76283b8 (HEAD -> develop, origin/develop, master) my next commit

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git reset --soft HEAD~1
fatal: ambiguous argument 'HEAD~1': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git reset --soft HEAD

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git status
On branch develop
Your branch is up to date with 'origin/develop'.

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

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

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$
```

11.git rebase:

```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git fetch

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git rebase origin/master
fatal: invalid upstream 'origin/master'

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git rebase origin/main
Successfully rebased and updated refs/heads/develop.

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ git log -3 --graph
* commit e10e9116e4ff6cc0b51204a305affed297d6eaea (HEAD -> develop)
  Author: saiswaroop5154 <saiswaroop.5154@gmail.com>
  Date:   Tue Feb 15 08:17:29 2022 +0530

      my next commit

* commit d09f3d059422a234293ec5409665238f030a612f (origin/main, origin/jack)
  Author: saiswaroop5154 <99642444+saiswaroop5154@users.noreply.github.com>
  Date:   Tue Feb 15 00:24:19 2022 +0530

      Initial commit

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$
```

git config –list –show-origin:


```
swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$ 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 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/swaroop/.gitconfig        user.email=saiswaroop.5154@gmail.com
file:C:/Users/swaroop/.gitconfig        user.name=saiswaroop5154
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        remote.origin.url=https://github.com/saiswaroop5154/cognizance.git
file:.git/config        remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
file:.git/config        branch.develop.remote=origin
file:.git/config        branch.develop.merge=refs/heads/develop

swaroop@LAPTOP-G1EEUUOQ MINGW64 /c/cognizance (develop)
$
```