COGNIZANCE

TASK 1 [GIT & GITHUB]

1. Creating a repository

2. git clone

3. git add

4. git status

```
harin@HARINEs-laptop MINGW64 ~
$ cd c:/users/harin

harin@HARINEs-laptop MINGW64 /c/users/harin
$ mkdir cognizance

harin@HARINEs-laptop MINGW64 /c/users/harin
$ cd cognizance

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance
$ git init
Initialized empty Git repository in C:/Users/harin/cognizance/.git/

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git clone https://github.com/Harine19/cognizance.git
Cloning into 'cognizance'...
warning: You appear to have cloned an empty repository.

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git status
On branch master

No commits yet

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)

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ touch test.py

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git add test.py

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git status
On branch master

No commits yet

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

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


harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git config --global user.email "ch.en.u4cse21121@ch.students.amrita.edu"

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git config --global user.name"Harine19"
```

5. git commit

6. git push

```
harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git commit -m"good"
[master (root-commit) fd44865] good
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 test.py

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git remote add origin https://github.com/Harine19/cognizance.git

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git push origin master
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
To https://github.com/Harine19/cognizance.git
 * [new branch]      master -> master
```

7. git config --list --show-origin

8. git checkout

```
harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git config --list --show-origin
file:C:/softwares/Git/etc/gitconfig        diff.astextplain.textconv=astextplain
file:C:/softwares/Git/etc/gitconfig        filter.lfs.clean=git-lfs clean -- %f
file:C:/softwares/Git/etc/gitconfig        filter.lfs.smudge=git-lfs smudge -- %f
file:C:/softwares/Git/etc/gitconfig        filter.lfs.process=git-lfs filter-process
file:C:/softwares/Git/etc/gitconfig        filter.lfs.required=true
file:C:/softwares/Git/etc/gitconfig        http.sslbackend=openssl
file:C:/softwares/Git/etc/gitconfig        http.sslcainfo=C:/softwares/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/softwares/Git/etc/gitconfig        core.autocrlf=true
file:C:/softwares/Git/etc/gitconfig        core.fscache=true
file:C:/softwares/Git/etc/gitconfig        core.symlinks=false
file:C:/softwares/Git/etc/gitconfig        pull.rebase=false
file:C:/softwares/Git/etc/gitconfig        credential.helper=manager-core
file:C:/softwares/Git/etc/gitconfig        credential.https://dev.azure.com.usehttppath=true
file:C:/softwares/Git/etc/gitconfig        init.defaultbranch=master
file:C:/Users/harin/.gitconfig  user.email=ch.en.u4cse21121@ch.students.amrita.edu
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/Harine19/cognizance.git
file:.git/config          remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git branch f1

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git checkout f1
Switched to branch 'f1'

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f1)
$ git checkout -b f3
Switched to a new branch 'f3'

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f3)
$ git checkout master
Switched to branch 'master'

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ touch abc.txt

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git add abc.txt

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git commit -a
Aborting commit due to empty commit message.
```

9. git fetch

10. git merge

11. git pull

12. git reset –soft

13. git branch

MINGW64:/c/users/harin/cognizance

```
harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git fetch

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git merge f1
Already up to date.

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git checkout f1
Switched to branch 'f1'
A       abc.txt

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f1)
$ git merge master
Already up to date.

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f1)
$ git pull origin master
From https://github.com/Harine19/cognizance
 * branch            master     -> FETCH_HEAD
Already up to date.

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f1)
$ git reset --soft

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f1)
$ git branch
* f1
  f3
  master
```

14. git rebase

```
harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f1)
$ git rebase f3
Current branch f1 is up to date.

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f1)
$ git checkout f3
Switched to branch 'f3'

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f3)
$ ls
cognizance/  test.py

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f3)
$ touch hello.py

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f3)
$ git add hello.py

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f3)
$ git commit -m "Sup"
[f3 1b0eafc] Sup
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 hello.py

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (f3)
$ git checkout master
Switched to branch 'master'

harin@HARINEs-laptop MINGW64 /c/users/harin/cognizance (master)
$ git rebase f3
Successfully rebased and updated refs/heads/master.
```