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ROLL NO:21023 (CSE-A)

TASK: COGNIZANCE (TASK -1)

1.Create a repository with the name “Cognizance” on GitHub using Git Bash.

```
jammi@LAPTOP-C20N4LOV MINGW64 ~ (main)
$ mkdir Cognizance

jammi@LAPTOP-C20N4LOV MINGW64 ~ (main)
$ cd Cognizance

jammi@LAPTOP-C20N4LOV MINGW64 ~/Cognizance (main)
$ git init
Initialized empty Git repository in C:/Users/jammi/Cognizance/.git/

jammi@LAPTOP-C20N4LOV MINGW64 ~/Cognizance (master)
$ mkdir Task-1

jammi@LAPTOP-C20N4LOV MINGW64 ~/Cognizance (master)
$ git add Task-1
```

```

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Task-1/moksha tej.txt

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Cognizance (master)
$ git commit -m "this is my first commit"
[master (root-commit) 868ea1c] this is my first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Task-1/moksha tej.txt

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Cognizance (master)
$ git branch -m main

```

```

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Cognizance (main)
$ git remote add origin https://github.com/Moksha-23/Cognizance.git

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Cognizance (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 279 bytes | 279.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Moksha-23/Cognizance.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

```

2. Create a folder with the name “Task-1” in the repository and perform the Git operations using Git Bash.

### Git add

```

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ touch demofile.txt

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git add demofile.txt

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git status
On branch master

No commits yet

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

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)

```

### Git checkout

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (core)
$ git checkout master
Switched to branch 'master'

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
```

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git checkout core
Switched to branch 'core'

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (core)
```

## Git checkout -b

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git checkout -b core
Switched to a new branch 'core'

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (core)
```

## Git clone

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git clone https://github.com/Moksha-23/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 9 (delta 0), reused 4 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), done.
```

## Git commit

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git commit -m "my first commit"
[master (root-commit) 7a257b2] my first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 demofile.txt

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
```

## commit-a

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git commit -a
On branch master
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)
```

## Git fetch

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git fetch --all
Fetching Moksha-23
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 9 (delta 0), reused 4 (delta 0), pack-reused 0
Unpacking objects: 100% (9/9), 1.41 KiB | 45.00 KiB/s, done.
From https://github.com/Moksha-23/Cognizance
* [new branch]      main       -> Moksha-23/main
```

## Git merge

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git merge core
Already up to date.
```

## Git pull

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git pull Moksha-23 master
From https://github.com/Moksha-23/Cognizance
* branch            master      -> FETCH_HEAD
Already up to date.

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
```

## Git push

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git push Moksha-23 master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 229 bytes | 229.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/Moksha-23/Cognizance/pull/new/master
remote:
To https://github.com/Moksha-23/Cognizance.git
* [new branch]      master -> master

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
```

## Git reset

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git reset HEAD demofile.txt

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
```

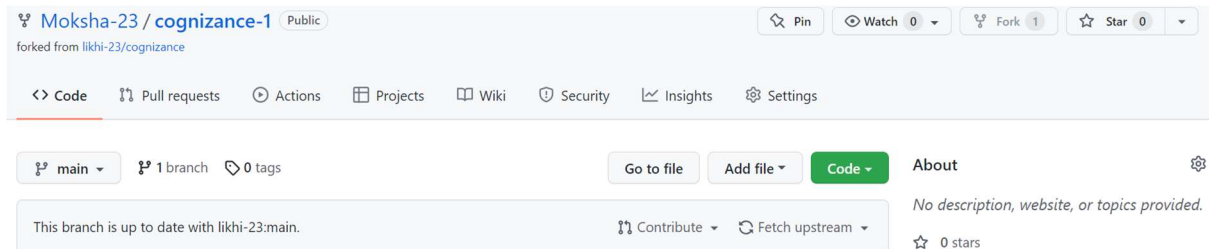
## Git rebase



```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ git rebase core
Current branch master is up to date.

jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
```

## Git fork



3. Upload the screenshot of the git bash using This command on your computer.

## git config --list --show-

```
jammi@LAPTOP-C2ON4LOV MINGW64 ~/Desktop/Cognizance (master)
$ 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.usebuiltinfsmonitor=true
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/jammi/.gitconfig user.email=ch.en.u4cse21023@ch.students.amrita.edu
file:C:/Users/jammi/.gitconfig user.name=Moksha-23
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.Moksha-23.url=https://github.com/Moksha-23/Cognizance.git
file:.git/config remote.Moksha-23.fetch=+refs/heads/*:refs/remotes/Moksha-23/*
```