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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-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)
```
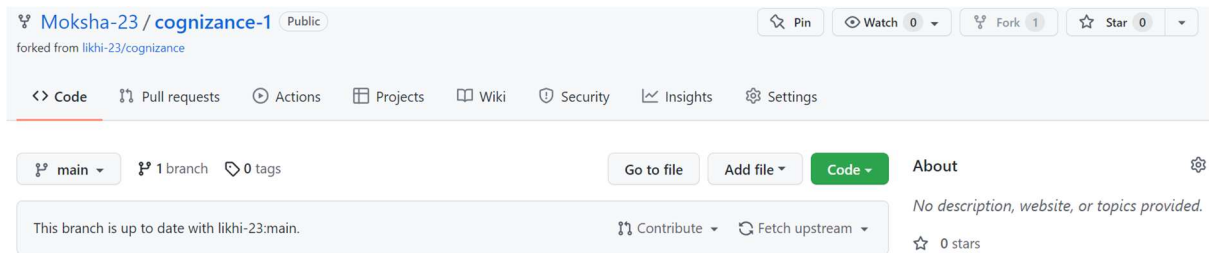Git rebase

```
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-