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ROLL NO:21015 (CSE-A)

TASK: COGNIZANCE (TASK -1)

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

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop (main)
$ mkdir Cognizance

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop (main)
$ cd Cognizance

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git init
Initialized empty Git repository in C:/Users/DhanushReddy/OneDrive/Desktop/Cogni
zance/.git/

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ mkdir Task-1

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git add Task-1
```

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

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/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/Dhanush.txt


DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git commit -m "my first commit"
[master (root-commit) 4493c59] my first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task-1/Dhanush.txt

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git branch -m main

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git remote add origin https://github.com/Dhanush328/Dhanush328.git

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 271 bytes | 135.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Dhanush328/Dhanush328.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

Git add

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ touch trailfile.txt

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git add trailfile.txt

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   trailfile.txt
```

Git checkout

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git checkout main
Switched to branch 'main'
A       trailfile.txt
Your branch is up to date with 'origin/main'.

DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git checkout master
Switched to branch 'master'
A       trailfile.txt
```

Git checkout -b

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git checkout -b intel
Switched to a new branch 'intel'
```

Git clone

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git clone https://github.com/Dhanush328/Dhanush328.git
Cloning into 'Dhanush328'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 4 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), done.
```

Git commit

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git commit -m "first commit"
[master 9b16261] first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 trailfile.txt
```

commit-a

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git commit -a
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Dhanush328/

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

Git fetch

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git fetch --all
Fetching origin
```

Git merge

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (intel)
$ git merge intel
Already up to date.
```

Git pull

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (intel)
$ git pull Dhanush328
From Dhanush328
 * branch              HEAD          -> FETCH_HEAD
Already up to date.
```

Git push

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (intel)
$ git push Dhanush328
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 290 bytes | 290.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To Dhanush328
 * [new branch]       intel -> intel
```

Git reset

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (intel)
$ git reset HEAD trail.txt
```

Git rebase

```
DhanushReddy@SrikanthReddyLaptop MINGW64 ~/OneDrive/Desktop/Cognizance (intel)
$ git rebase intel
Current branch intel is up to date.
```

Git fork
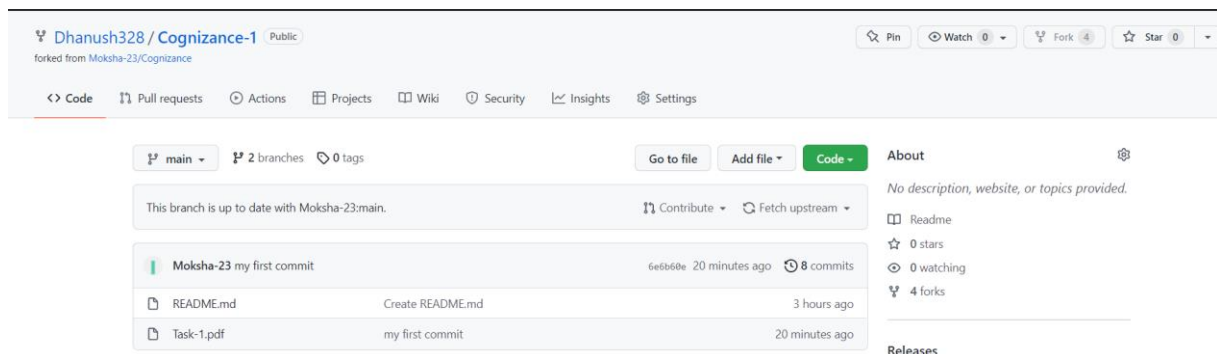
3. Upload the screenshot of the git bash using This command on your computer. git config --list --show-origin