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ROLL NO:21002 (CSE-A)

TASK: Cognizance (TASK -1)

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

MINGW64:/c/Users/ashok/OneDrive/Desktop/Cognizance

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop
$ mkdir Cognizance

ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop
$ cd Cognizance

ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance
$ git init
Initialized empty Git repository in C:/Users/ashok/OneDrive/Desktop/Cognizance/.git/

ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ mkdir Task-1

ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git add Task-1

ashok@WINDELL-OLRHBQ9 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/Jay.txt

ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git commit -m "this is my first commit"
[master (root-commit) 523da09] this is my first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task-1/Jay.txt

ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git branch -m main

ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git remote add origin https://github.com/jayanth3333/Cognizance.git

ashok@WINDELL-OLRHBQ9 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), 274 bytes | 274.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/jayanth3333/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

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ touch hubfile.txt

ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git add hubfile.txt

ashok@WINDELL-OLRHBQ9 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:   hubfile.txt
```

Git checkout

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git checkout master
Switched to branch 'master'
A       hubfile.txt
```

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git checkout main
Switched to branch 'main'
A       hubfile.txt
```

Git checkout -b

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git checkout -b master
Switched to a new branch 'master'
```

Git clone

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git clone https://github.com/jayanth3333/Cognizance.git
Cloning into 'Cognizance'...
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

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git commit -m "first commit"
[master 7819106] first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 hubfile.txt
```

commit-a

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git commit -a
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Cognizance/
```

Git fetch

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git fetch --all
Fetching origin
```

Git merge

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (brain)
$ git merge brain
Already up to date.
```

Git pull

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (brain)
$ git pull Cognizance
From Cognizance
 * branch                HEAD          -> FETCH_HEAD
Already up to date.
```

Git push

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (brain)
$ git push Cognizance
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 291 bytes | 291.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To Cognizance
 * [new branch]      brain -> brain
```

Git reset

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (brain)
$ git reset HEAD hubflie.txt
```

Git rebase

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (brain)
$ git rebase brain
Current branch brain is up to date.
```

Git fork

main ▾

2 branches

0 tags

Go to file

Add file ▾

Code ▾

This branch is up to date with Moksha-23:main.

Contribute ▾

Fetch upstream ▾

Moksha-23 my first commit

6e6b60e 20 minutes ago 8 commits

README.md

Create README.md

3 hours ago

Task-1.pdf

my first commit

20 minutes ago

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

```
ashok@WINDELL-OLRHBQ9 MINGW64 ~/OneDrive/Desktop/Cognizance (brain)
$ 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/ashok/.gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Users/ashok/.gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/ashok/.gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Users/ashok/.gitconfig filter.lfs.required=true
file:C:/Users/ashok/.gitconfig user.name=jayanth3333
file:C:/Users/ashok/.gitconfig user.email=99677437+jayanth3333@users.noreply.github.com
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/jayanth3333/Cognizance.git
file:./.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
file:./.git/config branch.main.remote=origin
file:./.git/config branch.main.merge=refs/heads/main
```