COGNIZANCE

Task-1

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Section: CSE-A

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Q1) Create a Repository.

```
DINESH@DESKTOP-RN3COJI MINGW64 ~ (main)
$ mkdir Cognizance

DINESH@DESKTOP-RN3COJI MINGW64 ~ (main)
$ cd Cognizance

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git init
Initialized empty Git repository in C:/Users/DINESH/Cognizance/.git/

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ mkdir Task-1

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git add Task-1
```

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git add Task-1

DINESH@DESKTOP-RN3COJI 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/Dinesh Vardhan.txt


DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git commit -m "First commit"
[master (root-commit) a70340d] First commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task-1/Dinesh Vardhan.txt

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git branch -m main

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git remote add origin https://github.com/stdinesh1211/Cognizance.git

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 275 bytes | 275.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/stdinesh1211/Cognizance.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$
```

Q2) Create a folder with name "Task-1" in the repository and perform the Git operations using Git Bash.

Git ADD

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git add File-1.txt  Javascript.txt  Python.txt

DINESH@DESKTOP-RN3COJI MINGW64 ~/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:   File-1.txt
        new file:   Javascript.txt
        new file:   Python.txt


DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ |
```

Git Checkout

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git checkout main
Already on 'main'
A       File-1.txt
A       Javascript.txt
A       Python.txt
Your branch is up to date with 'origin/main'.

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ |
```

Git Checkout -b

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git branch
* main

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git checkout -b master
Switched to a new branch 'master'

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$
```

Git Clone

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git clone https://github.com/stdinesh1211/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.

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$
```

Git commit

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git commit -m "New Commit"
[master e8af623] New Commit
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 File-1.txt
 create mode 100644 Javascript.txt
 create mode 100644 Python.txt

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ |
```

Git commit-a

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git commit -a
On branch main
nothing to commit, working tree clean
```

Git fetch

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Desktop/Cognizance (main)
$ git fetch --all
Fetching origin
```

Git merge

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git merge master
Already up to date.

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git merge main
```

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git log --graph
* commit a70340d92525f4f445c80dda7497fdb7cae28049 (HEAD -> main, origin/main)
  Author: Dinesh-27 <ch.en.u4cse21027@ch.students.amrita.edu>
  Date:   Tue Feb 15 15:47:13 2022 +0530

      First commit

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$
```

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$ git log --graph
* commit e8af623a6a8005dbb85cb04b0e46bd760b98910e (HEAD -> master)
| Author: Dinesh-27 <ch.en.u4cse21027@ch.students.amrita.edu>
| Date:   Tue Feb 15 16:00:29 2022 +0530
|
|     New Commit
|
* commit a70340d92525f4f445c80dda7497fdb7cae28049 (origin/main, main)
  Author: Dinesh-27 <ch.en.u4cse21027@ch.students.amrita.edu>
  Date:   Tue Feb 15 15:47:13 2022 +0530

      First commit

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (master)
$
```

Git pull

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git pull
Already up to date.
```

Git push

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
$ git push
Everything up-to-date

DINESH@DESKTOP-RN3COJI MINGW64 ~/Cognizance (main)
```
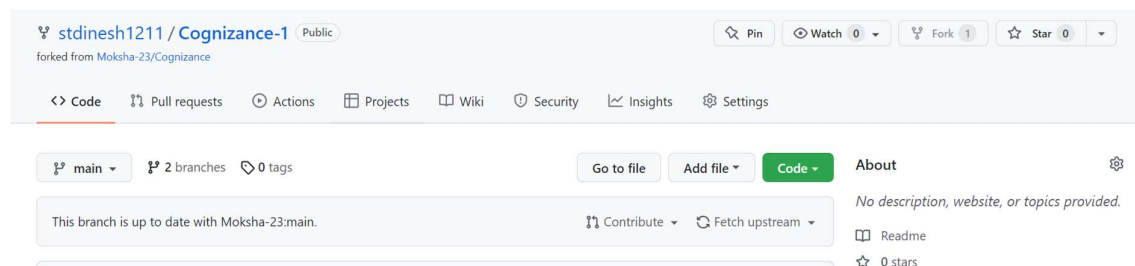
Git reset

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Desktop/Cognizance (main)
$ git reset HEAD Python.txt
```

Git rebase

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Desktop/Cognizance (main)
$ git rebase main
Current branch main is up to date.
```

Git fork

Q3) Upload the screenshot of the git bash using git config –list –show-command in your computer.

```
DINESH@DESKTOP-RN3COJI MINGW64 ~/Desktop/Cognizance (main)
$ 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/DINESH/.gitconfig user.email=ch.en.u4cse21027@ch.students.amrita.edu
file:C:/Users/DINESH/.gitconfig user.name=Dinesh-27
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/stdinesh1211/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

DINESH@DESKTOP-RN3COJI MINGW64 ~/Desktop/Cognizance (main)
$
```