

COGNIZANCE CLUB

PRELIMINARY TASK -1

DINAKAR S
CH.EN.U4CYS21013

init:

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git init
Reinitialized existing Git repository in C:/Users/Lenovo/OneDrive/Desktop/cognizance/.git/

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ echo 'the previous command wil intialize the folder as repository'
the previous command wil intialize the folder as repository

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

status: & add(stage)

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ ls
README.md  cognizance/  test.txt

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git add .

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ echo staged the file test.txt
staged the file test.txt
```

Commit :

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git commit -m twoheadings
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git log
commit 0e3d03a4d8413b4cf1e72badbd7d889501b4a0f6 (HEAD -> main, origin/main)
Author: DINAKAR <ch.en.u4cys21013@ch.students.amrita.edu>
Date: Tue Feb 15 11:27:14 2022 +0530

    first commit

commit da0fa8a1f8461e8035b7c14126e613b56d73afb4
Author: DINAKAR <ch.en.u4cys21013@ch.students.amrita.edu>
Date: Tue Feb 15 11:19:06 2022 +0530

    TEXT FILE IS AVAILABLE

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ echo committed the work
committed the work
```

log:Logs of committed history

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git log
commit 0e3d03a4d8413b4cf1e72badbd7d889501b4a0f6 (HEAD -> main, origin/main)
Author: DINAKAR <ch.en.u4cys21013@ch.students.amrita.edu>
Date: Tue Feb 15 11:27:14 2022 +0530

    first commit

commit da0fa8a1f8461e8035b7c14126e613b56d73afb4
Author: DINAKAR <ch.en.u4cys21013@ch.students.amrita.edu>
Date: Tue Feb 15 11:19:06 2022 +0530

    TEXT FILE IS AVAILABLE

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git log oneline
fatal: ambiguous argument 'oneline': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git log --oneline
0e3d03a (HEAD -> main, origin/main) first commit
da0fa8a TEXT FILE IS AVAILABLE
```


Checkout :

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git checkout da0fa8a
Note: switching to 'da0fa8a'.
```

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may do so (now or later) by using `-c` with the switch command. Example:

```
git switch -c <new-branch-name>
```

Or undo this operation with:

```
git switch -
```

Turn off this advice by setting config variable `advice.detachedHead` to false

HEAD is now at da0fa8a TEXT FILE IS AVAILABLE

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance ((da0fa8a...))
$ git checkout master
error: pathspec 'master' did not match any file(s) known to git
```

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance ((da0fa8a...))
$ git checkout main
Previous HEAD position was da0fa8a TEXT FILE IS AVAILABLE
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```

‘git checkout master’ will revert the code to the last saved code.

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance ((da0fa8a...))
$ git checkout main
Previous HEAD position was da0fa8a TEXT FILE IS AVAILABLE
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ echo use 'git branch branchname' to create a new branch
use git branch branchname to create a new branch
```

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ echo use 'git checkout test1' to switch branches
use git checkout test1 to switch branches
```

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ echo use 'git branch -a' to view all the branches
use git branch -a to view all the branches
```

Checkout -b:

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git checkout -b test2
Switched to a new branch 'test2'

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (test2)
$ git branch -a
  main
* test2
  remotes/origin/main

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (test2)
$ echo this command 'git checkout -b test2' will create and switch to new branch immediately
this command git checkout -b test2 will create and switch to new branch immediately

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (test2)
$ :
```

Merge:

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git checkout -b test1
Switched to a new branch 'test1'

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (test1)
$ git status
On branch test1
nothing to commit, working tree clean

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (test1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git merge test1
Already up to date.
```

push:

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git branch -M main

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git remote add origin https://github.com/JAMESDINA/Cognizance.git
error: remote origin already exists.

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git push -u origin main
Everything up-to-date
branch 'main' set up to track 'origin/main'.

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git push
Everything up-to-date
```

pull:

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ ls
README.md  cognizance/  test.txt

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git pull
Already up to date.

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ ls
README.md  cognizance/  test.txt

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ ...
```

The screenshot shows the GitHub repository page for JAMESDINA/Cognizance. The repository is public and has 0 stars, 1 watching, and 0 forks. The main branch is selected, showing a commit from JAMESDINA first commit (0e3d03a) 2 hours ago with 2 commits. The commit message is "first commit". The files listed are README.md (first commit, 2 hours ago) and test.txt (TEXT FILE IS AVAILABLE, 2 hours ago). The README.md content is displayed as "Cognizance". The right sidebar shows the "About" section with no description, website, or topics provided, and the "Releases" section with no releases published.

git config --list --show-origin:

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/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/Lenovo/.gitconfig user.name=DINAKAR
file:C:/Users/Lenovo/.gitconfig user.email=ch.en.u4cys21013@ch.students.amrita.edu
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/JAMESDINA/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

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ !
```

Clone:

```
Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git clone https://github.com/JAMESDINA/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 6 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ !
```

Reset:

```

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git clone https://github.com/JAMESDINA/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 6 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git log --oneline
0e3d03a (HEAD -> main, origin/main, test2, test1) first commit
da0fa8a TEXT FILE IS AVAILABLE

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ ls
README.md  cognizance/  test.txt

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git reset da0fa8a --hard
HEAD is now at da0fa8a TEXT FILE IS AVAILABLE

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git log --oneline
da0fa8a (HEAD -> main) TEXT FILE IS AVAILABLE

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ ls
cognizance/  test.txt

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$

```

rebase:

```

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git rebase main
Current branch main is up to date.

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git checkout
Your branch is behind 'origin/main' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git checkout main
Already on 'main'
Your branch is behind 'origin/main' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git rebase test3
fatal: invalid upstream 'test3'

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git rebase test2
Successfully rebased and updated refs/heads/main.

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ ls
README.md  cognizance/  test.txt

Lenovo@DESKTOP-UNLJ8JE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$

```