

# COGNIZANCE CLUB

## ACTIVITY

### TASK-1

NAME: YESHWANTH A

ROLL No.: 21263

DEPARTMENT: CSE(I)

SECTION: C

# Create A Repository:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop
$ mkdir Cognizance

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop
$ cd Cognizance

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance
$ mkdir Task-1

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance
$ git clone https://github.com/08YESHWANTH08/Cognizance.git
Cloning into 'Cognizance'...
warning: You appear to have cloned an empty repository.

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance
$ cd Task-1

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1
$ git init
Initialized empty Git repository in C:/Users/Home/Desktop/Cognizance/Task-1/.git/

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ touch first.cpp

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ |
```

# Git Add:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    first.cpp

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

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git add first.cpp
```

## Git Status:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   first.cpp
```

## Git Commit:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git commit -m "My First C Code In Git bash"
[master (root-commit) 33b25da] My First C Code In Git bash
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 first.cpp

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git remote add zero https://github.com/08YESHWANTH08/Cognizance.git

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git push zero master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 247 bytes | 82.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/08YESHWANTH08/Cognizance.git
 * [new branch]      master -> master
```

## Git Checkout:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git branch f1

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git checkout f1
Switched to branch 'f1'
```

## Git Checkout –b:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (f1)
$ git checkout -b F2
Switched to a new branch 'F2'
```

## Git Clone:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (F2)
$ git clone https://github.com/08YESHWANTH08/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

## Git Fetch:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (F2)
$ git fetch
From https://github.com/08YESHWANTH08/Cognizance
* [new branch]      master    -> origin/master
```

## Git Commit -a:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (F2)
$ git commit -a
[F2 ea8373d] First_Python_File.py
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 First_Python_File.py
```

```
First_Python_File.py|
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch F2
# Changes to be committed:
#   new file:   First_Python_File.py
#
# Untracked files:
#   Cognizance/
#
```

## Git Push:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git commit -m "My First C Code In Git bash"
[master (root-commit) 33b25da] My First C Code In Git bash
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 first.cpp

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git remote add zero https://github.com/08YESHWANTH08/Cognizance.git

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git push zero master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 247 bytes | 82.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/08YESHWANTH08/Cognizance.git
* [new branch]      master -> master
```

## Git Merge:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git merge f1
Already up to date.
```

## Git Pull:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git pull zero master
From https://github.com/08YESHWANTH08/Cognizance
* branch      master      -> FETCH_HEAD
Already up to date.
```

## Git Reset:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git rest --soft
git: 'rest' is not a git command. See 'git --help'.

The most similar commands are
    restore
    reset
```

# Git Rebase:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git checkout -b rebase1
Switched to a new branch 'rebase1'

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (rebase1)
$ git add f1.cpp
fatal: pathspec 'f1.cpp' did not match any files

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (rebase1)
$ touch testfile.cpp

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (rebase1)
$ git add testfile.cpp

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (rebase1)
$ git commit -m "Testing"
[rebase1 287ebdc] Testing
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 testfile.cpp

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (rebase1)
$ git checkout master
Switched to branch 'master'

Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git rebase rebase1
Successfully rebased and updated refs/heads/master.
```



## Git config—list-show-origin:

```
Yeshwanth@DESKTOP-34I4BAR MINGW64 ~/Desktop/Cognizance/Task-1 (master)
$ git config --list --show-origin
file:D:/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:D:/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:D:/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:D:/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:D:/Git/etc/gitconfig filter.lfs.required=true
file:D:/Git/etc/gitconfig http.sslbackend=openssl
file:D:/Git/etc/gitconfig http.sslcainfo=D:/Git/mingw64/ssl/certs/ca-bundle.crt
file:D:/Git/etc/gitconfig core.autocrlf=true
file:D:/Git/etc/gitconfig core.fscache=true
file:D:/Git/etc/gitconfig core.symlinks=false
file:D:/Git/etc/gitconfig pull.rebase=false
file:D:/Git/etc/gitconfig credential.helper=manager-core
file:D:/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:D:/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/Home/.gitconfig user.email=ch.en.u4cse21263@ch.students.amrita.edu
file:C:/Users/Home/.gitconfig user.name=08YESHWANTH08
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/08YESHWANTH08/Cognizance.git
file:./.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
file:./.git/config remote.zero.url=https://github.com/08YESHWANTH08/Cognizance.git
file:./.git/config remote.zero.fetch=+refs/heads/*:refs/remotes/zero/*
```

## Fork Command:

