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CH.EN.U4CSE20030

DISCORD HANDLE: **Abhij18#2629**

TASK – 1 [GIT & GITHUB]

CREATING A GITHUB ACCOUNT

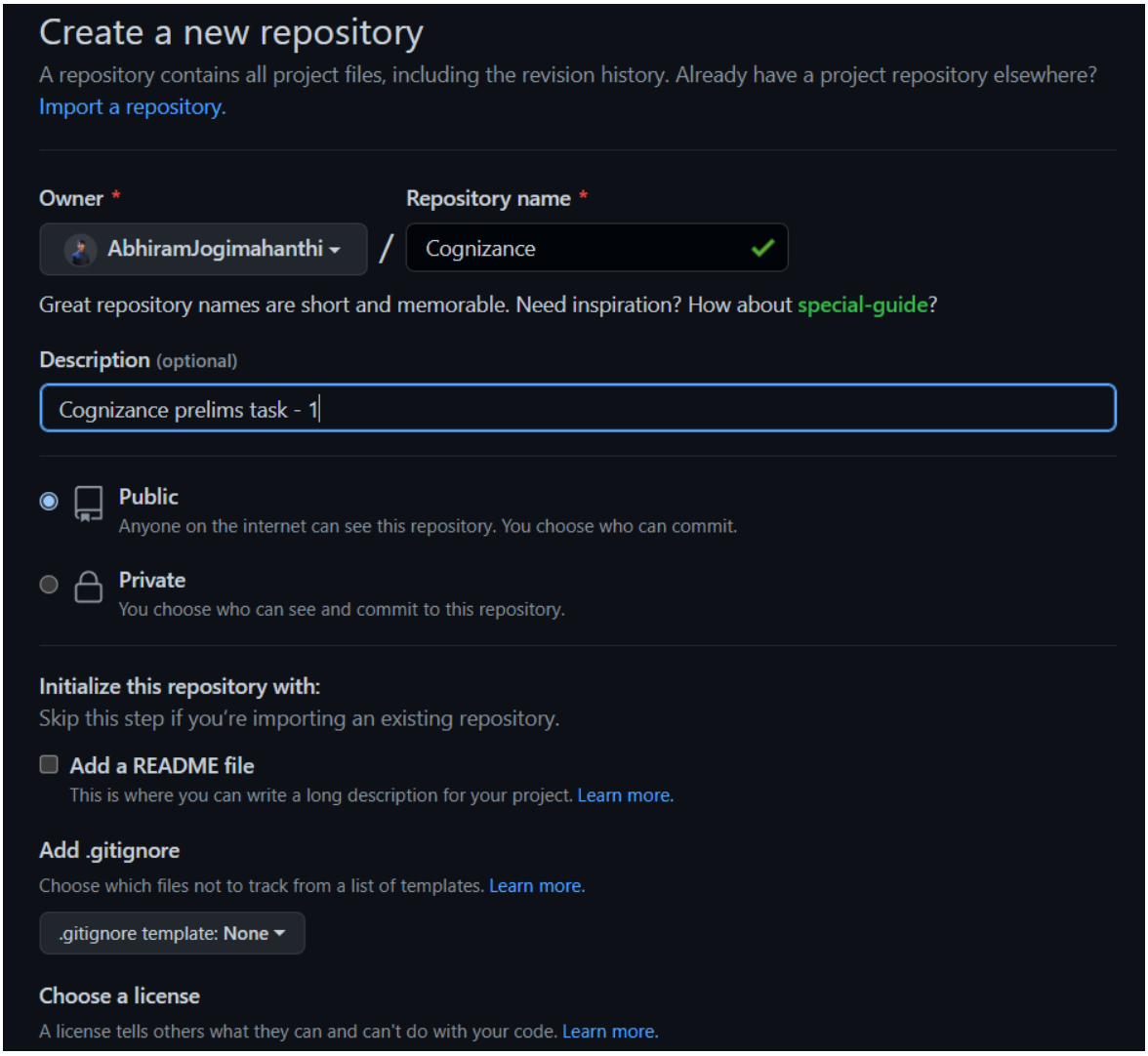
>>> I have already created a GITHUB account.

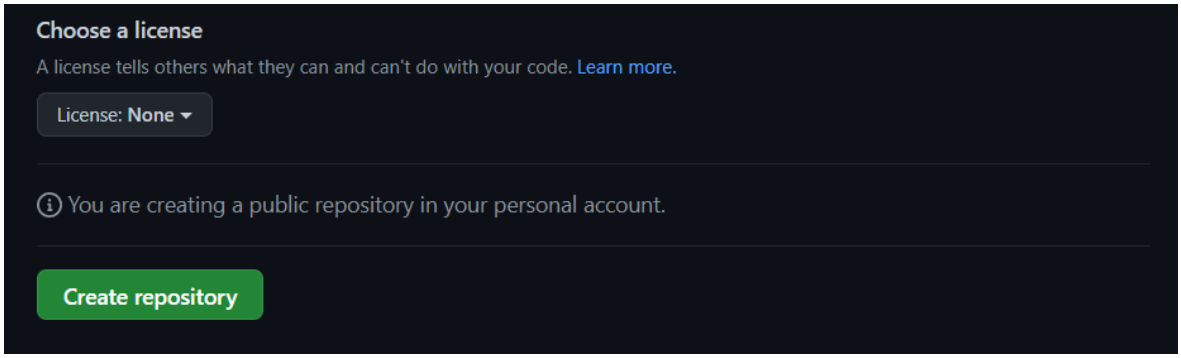
https://github.com/AbhiramJogimahanthi

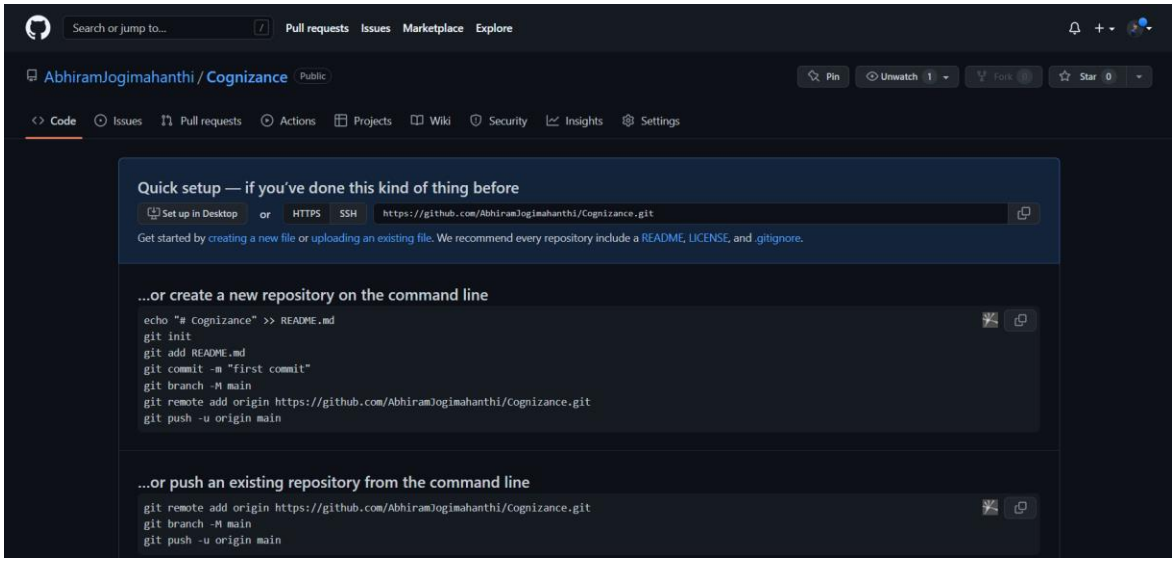
INSTALL GIT IN YOUR DESKTOP

>>> GIT is already installed on my PC.

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

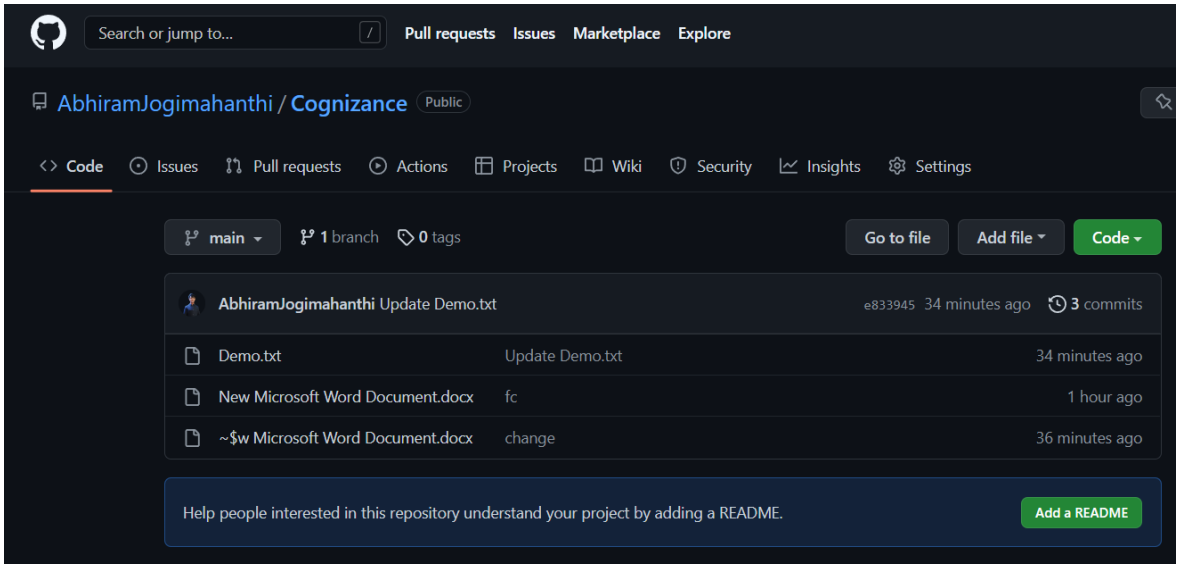






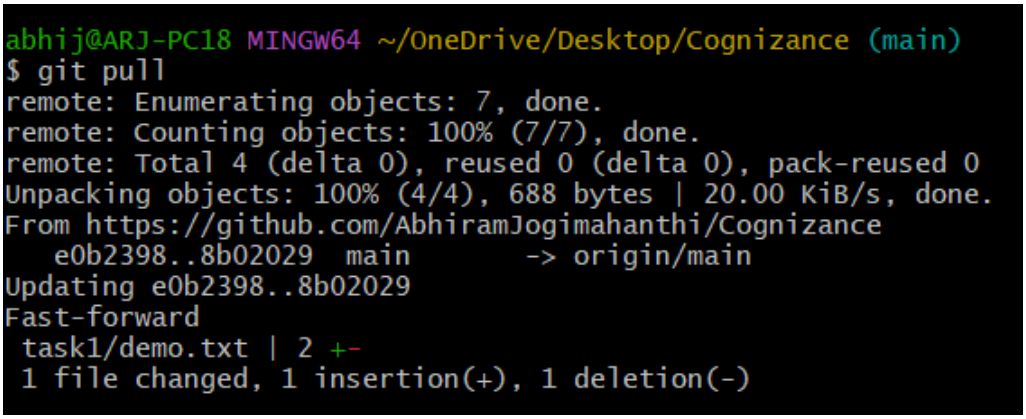

```
abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ git init
Reinitialized existing Git repository in C:/Users/abhij/Cognizance/.git/

abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ git add *
hint: core.useBuiltinFSMonitor=true is deprecated;please set core.fsmonitor=true instead
hint: Disable this message with "git config advice.useCoreFSMonitorConfig false"

abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ ^C

abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ git add *
hint: core.useBuiltinFSMonitor=true is deprecated;please set core.fsmonitor=true instead
hint: Disable this message with "git config advice.useCoreFSMonitorConfig false"

abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ git status
hint: core.useBuiltinFSMonitor=true is deprecated;please set core.fsmonitor=true instead
hint: Disable this message with "git config advice.useCoreFSMonitorConfig false"
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   New Microsoft Word Document.docx


abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ git commit -m "fc"
hint: core.useBuiltinFSMonitor=true is deprecated;please set core.fsmonitor=true instead
hint: Disable this message with "git config advice.useCoreFSMonitorConfig false"
[master (root-commit) e948701] fc
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 New Microsoft Word Document.docx

abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ git branch -M main'
> ^C

abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ git branch -M main
```

```
abhij@ARJ-PC18 MINGW64 ~/Cognizance (main)
$ git remote add origin https://github.com/AbhiramJogimahanthi/Cognizance.git

abhij@ARJ-PC18 MINGW64 ~/Cognizance (main)
$ git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 236 bytes | 236.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AbhiramJogimahanthi/Cognizance.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```



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

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ mkdir task1

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ cd task1

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance/task1 (main)
$ touch demo.txt

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance/task1 (main)
$ cd .

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance/task1 (main)
$ cd ..

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git init
Initialized empty Git repository in C:/Users/abhij/OneDrive/Desktop/Cognizance/.
git/

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git add *

abhij@ARJ-PC18 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:   task1/demo.txt


abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git commit -m "first commit"
[master (root-commit) e0b2398] first commit
 1 file changed, 1 insertion(+)
 create mode 100644 task1/demo.txt

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git branch -M main

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git remote add origin https://github.com/AbhiramJogimahanthi/Cognizance.git

abhij@ARJ-PC18 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), 273 bytes | 273.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AbhiramJogimahanthi/Cognizance.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```


abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git pull
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 688 bytes | 20.00 KiB/s, done.
From https://github.com/AbhiramJogimahanthi/Cognizance
e0b2398..8b02029 main -> origin/main
Updating e0b2398..8b02029
Fast-forward
task1/demo.txt | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

3. Upload the screenshot of the git bash using This command in your computer.

```
git config --list --show-origin
```

```
abhij@ARJ-PC18 MINGW64 ~/Cognizance (master)
$ 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/abhij/.gitconfig  filter.lfs.clean=git-lfs clean -- %f
file:C:/Users/abhij/.gitconfig  filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/abhij/.gitconfig  filter.lfs.process=git-lfs filter-process
file:C:/Users/abhij/.gitconfig  filter.lfs.required=true
file:C:/Users/abhij/.gitconfig  user.name=Abhiram Jogimahanthi
file:C:/Users/abhij/.gitconfig  user.email=abhijogimahanthi18@gmail.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
```

4. Take a screenshot of all the Git operations you performed and compile it in a single PDF and upload it in "Task-1" folder this PDF Should Also Contain the screenshot of the command mentioned in point 3.

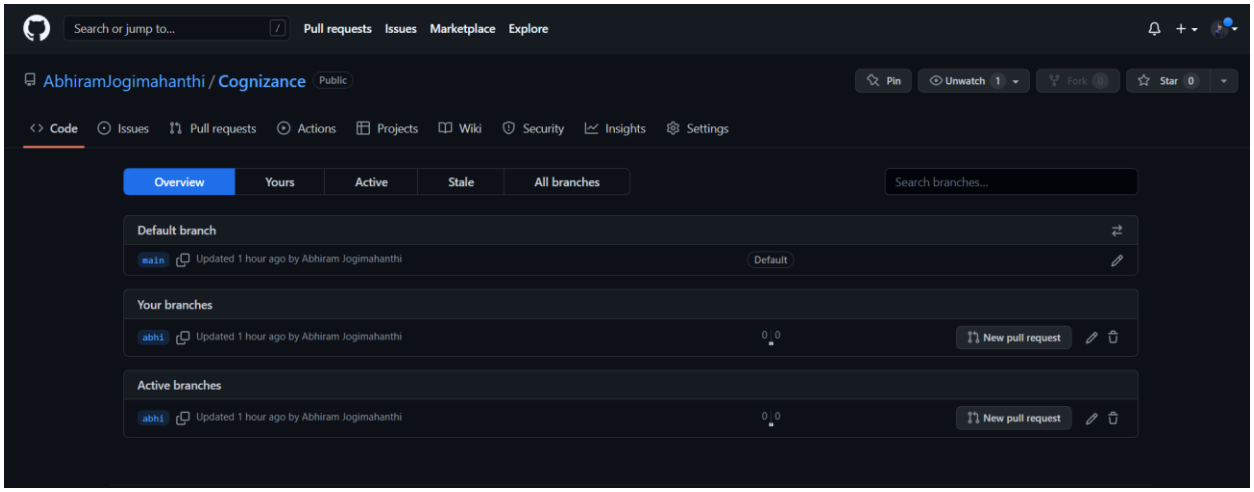
GIT ADD:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git add *

abhij@ARJ-PC18 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:   task1/demo.txt
```

GIT CHECKOUT: Replaces the current working files with files from a branch.

GIT CHECKOUT-B: Creates new local branch from the current branch's tip.

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git checkout -b abhi
Switched to a new branch 'abhi'

abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (abhi)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```


Search or jump to...
Pull requests
Issues
Marketplace
Explore
AbhiramJogimahanthi / Cognizance
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Overview
Yours
Active
Stale
All branches
Search branches...
Default branch
main
Updated 1 hour ago by Abhiram Jogimahanthi
Default
Your branches
abhi
Updated 1 hour ago by Abhiram Jogimahanthi
0 0
New pull request
Active branches
abhi
Updated 1 hour ago by Abhiram Jogimahanthi
0 0
New pull request

GIT PUSH:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git push origin abhi
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'abhi' on GitHub by visiting:
remote:      https://github.com/AbhiramJogimahanthi/Cognizance/pull/new/abhi
remote:
To https://github.com/AbhiramJogimahanthi/Cognizance.git
 * [new branch]      abhi -> abhi
```

GIT PULL:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git pull
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 688 bytes | 20.00 KiB/s, done.
From https://github.com/AbhiramJogimahanthi/Cognizance
   e0b2398..8b02029  main       -> origin/main
Updating e0b2398..8b02029
Fast-forward
 task1/demo.txt | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
```

GIT COMMIT:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git commit
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

GIT COMMIT -A:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git commit -a
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

GIT FETCH:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git fetch
```

GIT MERGE:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git merge abhi main
Already up to date.
```

GIT CLONE:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git clone https://github.com/AbhiramJogimahanthi/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 8 (delta 0), reused 4 (delta 0), pack-reused 0
Receiving objects: 100% (8/8), done.
```

GIT RESET:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git reset
```

GIT REBASE:

```
abhij@ARJ-PC18 MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git rebase main
Current branch main is up to date.
```

GIT FORK: Fork will create a copy of the repository in your GitHub account so that you can make changes to the project.