

# COGNIZANCE CLUB

## TASK-1

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

```
MINGW64/c/Users/91830/onedrive/desktop/Cognizance

91830@LAPTOP-7HPI0JFF MINGW64 ~
$ cd onedrive

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive
$ cd desktop

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop
$ ls
ASSIGNMENT/          'MinGW Installer.lnk'*
BHANU/               'Outlook (PWA).lnk'*
BOOKS/               "PDF'S"/
'Chrome Remote Desktop.lnk'*  Telegram.lnk*
Discord.lnk*         'Visual Studio Code.lnk'*
'END SEM PDFS(1)'/    YouTube.lnk*
'EXM RECORD'/        Zoom.lnk*
'Microsoft Teams.lnk'*  desktop.ini

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop
$ mkdir Cognizance

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop
$ cd Cognizance

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
$ git init
Initialized empty Git repository in C:/Users/91830/OneDrive/Desktop/Cognizance/.git/

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (master)
$ touch file.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (master)
$ git add .
```

```

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (master)
$ git commit -m "intial commit"
[master (root-commit) 038724a] intial commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (master)
$ git branch -M main

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ |
git remote add origin https://github.com/bhanu374/Coginzance.git

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 207 bytes | 207.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/bhanu374/Coginzance.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

```

The screenshot shows the GitHub web interface for the repository 'bhanu374/Coginzance'. The repository is public and has 1 branch (main) and 0 tags. The commit history shows a single commit 'bhanu374 Update file.txt' from 1 hour ago with 5 commits in total. The file list shows 'file.txt' with the message 'Update file.txt' from 1 hour ago. A blue banner prompts the user to 'Add a README'. The right sidebar shows the repository has 0 stars, 1 watching, and 0 forks. The 'Releases' and 'Packages' sections indicate no releases or packages have been published yet. The footer shows the GitHub logo, copyright notice for 2022, and links to Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

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

➤ Creating folder, git add, git commit, git push

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ mkdir Task-1

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ ls
Task-1/  file.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git add .

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git commit -m "hey guys"
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 262 bytes | 131.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/bhanu374/Coginzance.git
   038724a..6b020eb  main -> main
```

## ➤ git checkout, git checkout -b, git status, git log

MINGW64:/c/Users/91830/onedrive/desktop/Cognizance

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git checkout -b branch1
Switched to a new branch 'branch1'

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (branch1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git branch experiment

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git branch -a
  branch1
  experiment
* main
  remotes/origin/main

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git checkout branch1
Switched to branch 'branch1'

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (branch1)
$ git branch -a
* branch1
  experiment
  main
  remotes/origin/main

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (branch1)
$ git commit -m "added branches"
On branch branch1
nothing to commit, working tree clean

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (branch1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ touch demo.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ touch demo2.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git add .
```



```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
```

```
$ git commit -m "added two files again"
```

```
[main 4630c4f] added two files again
```

```
2 files changed, 2 insertions(+)
```

```
create mode 100644 demo.txt
```

```
create mode 100644 demo2.txt
```

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
```

```
$ git status
```

```
On branch main
```

```
Your branch is ahead of 'origin/main' by 1 commit.
```

```
(use "git push" to publish your local commits)
```

```
nothing to commit, working tree clean
```

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
```

```
$ git log
```

```
commit 4630c4f322a2371b5c7fbba9ea45dbec8bea02e9 (HEAD -> main)
```

```
Author: bhanu374 <bbhanu0123@gmail.com>
```

```
Date: Tue Feb 15 12:17:27 2022 +0530
```

```
added two files again
```

```
commit 6b020ebab2654bcb5936bfae6647d012196495e4 (origin/main, experiment, branch1)
```

```
Author: bhanu374 <bbhanu0123@gmail.com>
```

```
Date: Tue Feb 15 11:55:51 2022 +0530
```

```
hey guys
```

```
commit 038724ae465a68a3389b6f047862d8a65d37c70d
```

```
Author: bhanu374 <bbhanu0123@gmail.com>
```

```
Date: Tue Feb 15 10:47:15 2022 +0530
```

```
intial commit
```

## ➤ git clone

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git clone https://github.com/bhanu374/Git-Commands.git
Cloning into 'Git-Commands'...
remote: Enumerating objects: 146, done.
remote: Counting objects: 100% (36/36), done.
remote: Compressing objects: 100% (30/30), done.
remote: Total 146 (delta 15), reused 18 (delta 6), pack-reused 110
Receiving objects: 100% (146/146), 33.02 KiB | 768.00 KiB/s, done.
Resolving deltas: 100% (44/44), done.
```

## ➤ git merge

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git checkout branch1
Switched to branch 'branch1'

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (branch1)
$ git status
On branch branch1
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    Git-Commands

no changes added to commit (use "git add" and/or "git commit -a")

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (branch1)
$ git add .

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (branch1)
$ git commit -m "branches"
[branch1 cca1a65] branches
1 file changed, 1 deletion(-)
delete mode 160000 Git-Commands

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (branch1)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git merge branch1
Merge made by the 'ort' strategy.
 file.txt | 3 ++-
1 file changed, 2 insertions(+), 1 deletion(-)
```

## ➤ git pull, git fetch

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 665 bytes | 60.00 KiB/s, done.
From https://github.com/bhanu374/Coginzance
   d7e4ae9..b393ccb  main      -> origin/main
Auto-merging file.txt
CONFLICT (content): Merge conflict in file.txt
Automatic merge failed; fix conflicts and then commit the result.

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main|MERGING)
$ git fetch
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
Aborting commit due to empty commit message.
```



## ➤ git rebase

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(main)
$ git checkout -b function
Switched to a new branch 'function'

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(function)
$ touch new.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(function)
$ touch old.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(function)
$ touch no.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(function)
$ git add .

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(function)
$ git commit -m "just added some files in function branch"
[function ae2d9b9] just added some files in function branch
7 files changed, 14 insertions(+), 2 deletions(-)
create mode 100644 filenew
create mode 100644 new.txt
create mode 100644 newfile.txt
create mode 100644 no.txt
create mode 100644 old.txt

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(function)
$ git status
On branch function
nothing to commit, working tree clean

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(function)
$ git checkout main

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance
(main)
$ git rebase function
Successfully rebased and updated refs/heads/main.
```



## ➤ git reset

```
91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git log
commit 90f4bbff086050e9c21fe7754dbbbf285aaf1243 (HEAD -> main)
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 16:00:28 2022 +0530

    this is unix

commit dda8b6d5c005939871e0ccba9b1d9bf41e77512d
Merge: 4630c4f cca1a65
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 13:07:13 2022 +0530

    Merge branch 'branch1'

commit cca1a659fe3091480c90dab06de6f7b5188dcf2a (branch1)
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 13:06:10 2022 +0530

    branches

commit 62402ee47bf8b46cfce50b746597bd330109f3e0
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 12:38:22 2022 +0530

    added Git-commands

commit 4630c4f322a2371b5c7fbaa9ea45dbec8bea02e9
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 12:17:27 2022 +0530

    added two files again

commit 6b020ebab2654bcb5936bfae6647d012196495e4 (experiment)
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 11:55:51 2022 +0530

    hey guys

commit 038724ae465a68a3389b6f047862d8a65d37c70d
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 10:47:15 2022 +0530

    intial commit

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git reset 4630c4f322a2371b5c7fbaa9ea45dbec8bea02e9
Unstaged changes after reset:
M    demo2.txt
M    file.txt
```

```

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git log
commit 4630c4f322a2371b5c7fb9a9ea45dbec8bea02e9 (HEAD -> main)
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 12:17:27 2022 +0530

    added two files again

commit 6b020ebab2654bcb5936bfae6647d012196495e4 (experiment)
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 11:55:51 2022 +0530

    hey guys

commit 038724ae465a68a3389b6f047862d8a65d37c70d
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 10:47:15 2022 +0530

    initial commit

```

## ➤ git commit -a

```

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ touch filenew

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git commit -a
[main 90f4bbf] this is unix
1 file changed, 3 insertions(+), 1 deletion(-)

91830@LAPTOP-7HPI0JFF MINGW64 ~/onedrive/desktop/Cognizance (main)
$ git log
commit 90f4bbff086050e9c21fe7754dbbbf285aaf1243 (HEAD -> main)
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 16:00:28 2022 +0530

    this is unix

commit dda8b6d5c005939871e0ccba9b1d9bf41e77512d
Merge: 4630c4f cca1a65
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 13:07:13 2022 +0530

    Merge branch 'branch1'

commit cca1a659fe3091480c90dab06de6f7b5188dcf2a (branch1)
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 13:06:10 2022 +0530

    branches

commit 62402ee47bf8b46cfce50b746597bd330109f3e0
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 12:38:22 2022 +0530

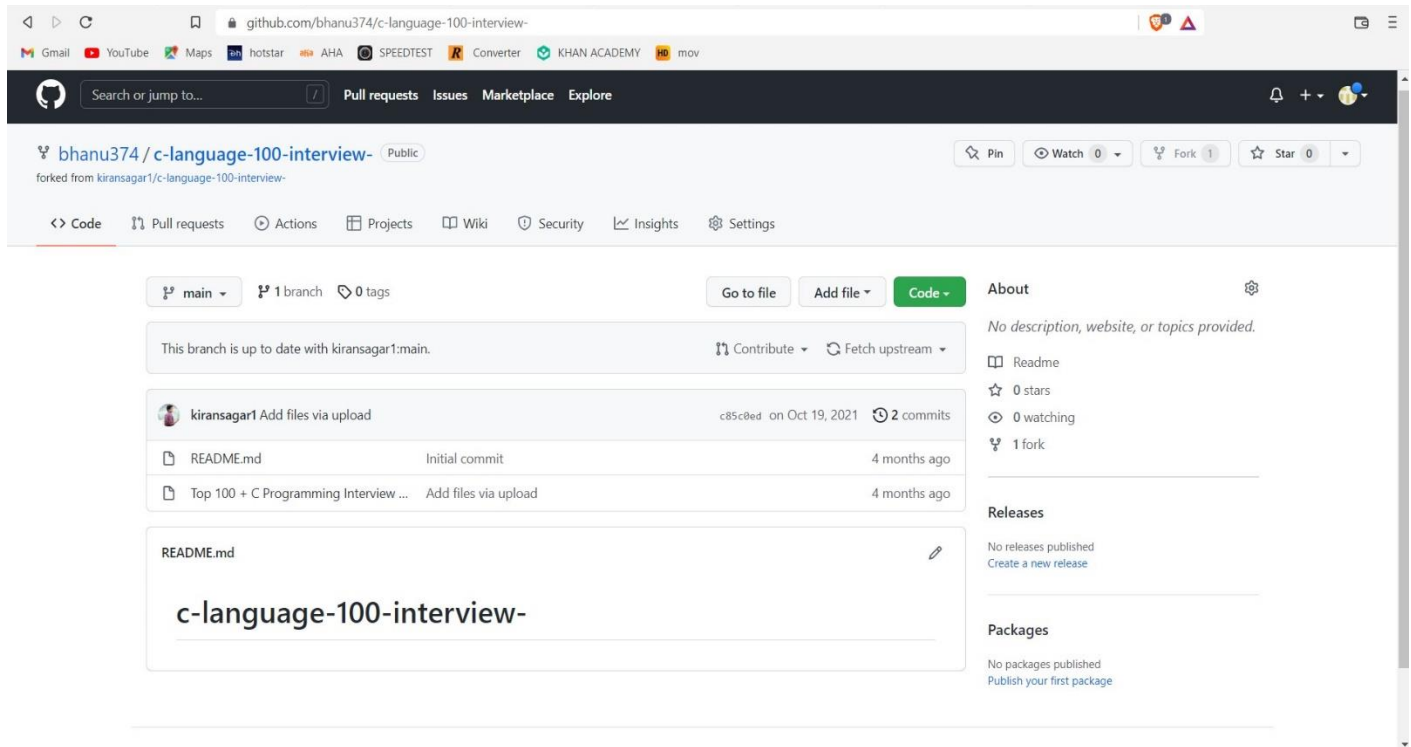
    added Git-commands

commit 4630c4f322a2371b5c7fb9a9ea45dbec8bea02e9
Author: bhanu374 <bbhanu0123@gmail.com>
Date: Tue Feb 15 12:17:27 2022 +0530

    added two files again

```

## ➤ git fork



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

```
91830@LAPTOP-7HPI0JFF 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 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/91830/.gitconfig user.name=bhanu374
file:C:/Users/91830/.gitconfig user.email=bbhanu0123@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
file:.git/config remote.origin.url=https://github.com/bhanu374/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
```