

## Repository with cognizance using git bash

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~ (master)
$ git init cognizance
Initialized empty Git repository in C:/Users/abhih/cognizance/.git/

abhih@LAPTOP-E3AG6T94 MINGW64 ~ (master)
$ cd cognizance

abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (master)
$ mkdir Task1

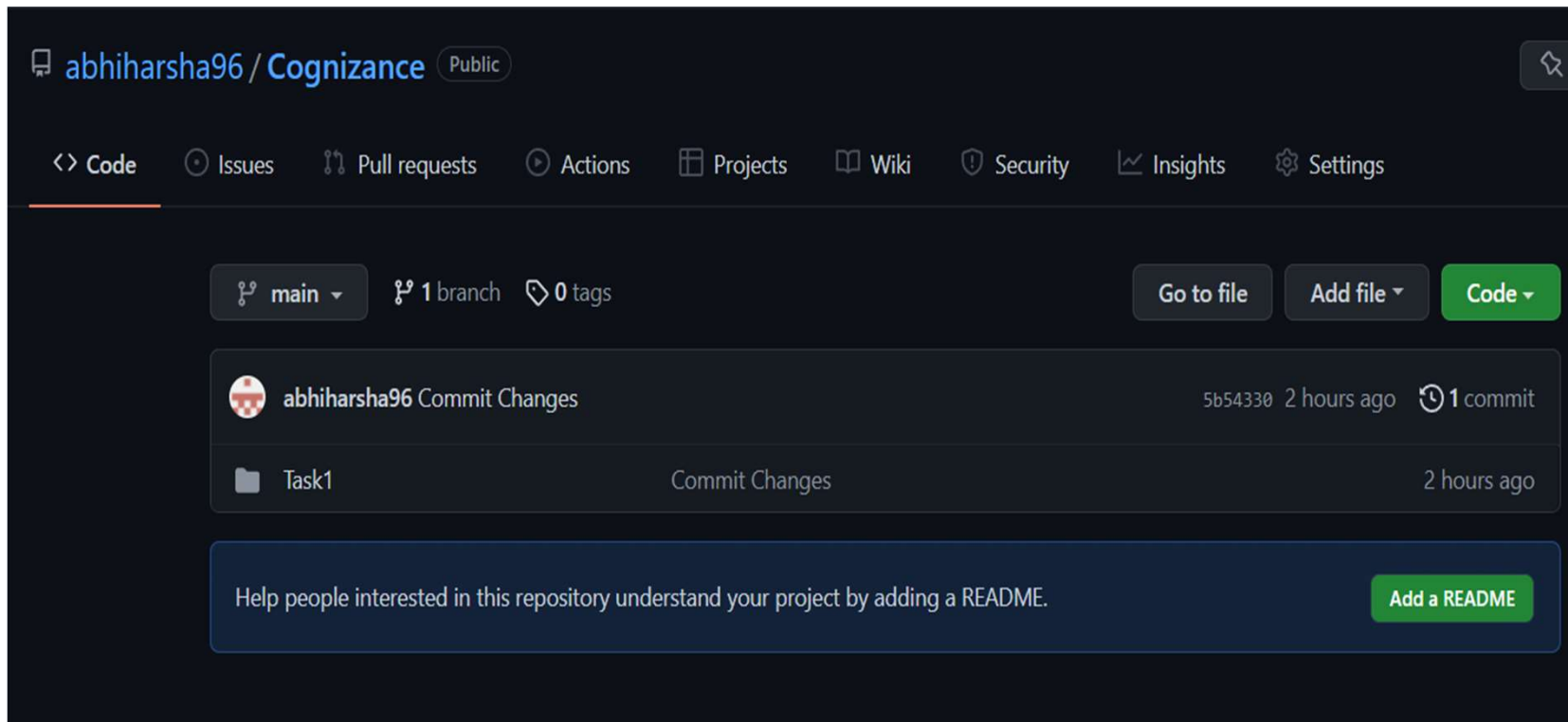
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (master)
$ git add Task1

abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (master)
$ git commit -m "Commit Changes"
[master (root-commit) 5b54330] Commit Changes
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task1/myfile.txt

abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (master)
$ git remote add origin https://github.com/abhiharsha96/Cognizance.git

abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (master)
$ git branch -M main

abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 256 bytes | 256.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/abhiharsha96/Cognizance.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```



## Git reset

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (virat)
$ git log --oneline
5b54330 (HEAD -> virat, origin/main, main) Commit Changes
```

Folder with name Task1

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~ (master)
$ git init cognizance
Initialized empty Git repository in C:/Users/abhih/cognizance/.git/

abhih@LAPTOP-E3AG6T94 MINGW64 ~ (master)
$ cd cognizance

abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (master)
$ mkdir Task1
```

GIT ADD

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (master)
$ git add Task1
```

Git checkout and git checkout-b

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (main)
$ git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (main)
$ git checkout -b virat
Switched to a new branch 'virat'
```

## Git clone

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (virat)
$ git clone https://github.com/abhiharsha96/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.
```

## Git commit

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (master)
$ git commit -m "Commit Changes"
[master (root-commit) 5b54330] Commit Changes
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Task1/myfile.txt
```

## Git fetch

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (main)
$ git fetch https://github.com/abhiharsha96/Cognizance.git
From https://github.com/abhiharsha96/Cognizance
* branch          HEAD          -> FETCH_HEAD
```

## Git merge and git rebase

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (main)
$ git merge
Already up to date.

abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (main)
$ git rebase
Current branch main is up to date.
```

## Git pull

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (main)
$ git pull https://github.com/abhiharsha96/Cognizance.git
From https://github.com/abhiharsha96/Cognizance
 * branch      HEAD      -> FETCH_HEAD
Already up to date.
```

## Git push

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 256 bytes | 256.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/abhiharsha96/Cognizance.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```



## fork

The screenshot shows a GitHub repository page for 'abhiharsha96/device\_asus\_X00TD'. The repository is public and was forked from 'jaichiranjeeva/device\_asus\_X00TD'. The page includes navigation tabs for Code, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the repository name, there are buttons for 'Go to file', 'Add file', and 'Code'. A message states 'This branch is up to date with jaichiranjeeva:SPARK-12.' and provides links to 'Contribute' and 'Fetch upstream'. A table lists recent commits:

Commit	Author	Date	Commits
bd87532	jaichiranjeeva	on Dec 4, 2021	2,733

Below the table, there are three folders listed:

- ZenParts: X00TD: Zenparts: Adapt AndroidManifest for A12 (3 months ago)
- audio\_amplifier: X00TD: Add custom audio amplifier for TFA amp feedback (7 months ago)
- bluetooth: [TEMP] X00TD: Drop QTI Bluetooth (3 months ago)

## git config --list --show-origin

```
abhih@LAPTOP-E3AG6T94 MINGW64 ~/cognizance (virat)
$ 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/ss
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=t
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/abhih/.gitconfig user.email=abhiharsha53@gmail.com
file:C:/Users/abhih/.gitconfig user.name=abhiharsha96
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/abhiharsha96/Cognizance.g
file:.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
file:.git/config branch.main.remote=origin
```