

Task 1

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Section: CSE-C

1. Create a repository "Cognizance" on github using gitbash.

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop (main)
$ mkdir Cognizance

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop (main)
$ cd cognizance

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (main)
$ git init
Initialized empty Git repository in C:/Users/siddu/OneDrive/Desktop/Cognizance/.git/

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (master)
$ touch file.txt

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (master)
$ git add .

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (master)
$ ls
file.txt

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (master)
$ git commit -m "initial commit"
[master (root-commit) c7efa14] initial commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file.txt

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (master)
$ git branch -m Main

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (Main)
$ git remote add origin https://github.com/KVS-Siddardh/Cognizance.git

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (Main)
$ git push --set-upstream origin Main
remote: Repository not found.
fatal: repository 'https://github.com/KVS-Siddardh/Cognizance.git/' not found

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (Main)
$ git remote add origin https://github.com/KVS-Siddardh/Cognizance.git
error: remote origin already exists.

siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/cognizance (Main)
$ git push --set-upstream origin Main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 228 bytes | 76.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/KVS-Siddardh/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.

A. Add

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git add file.txt
```

Status

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git status
On branch master
```

Checkout

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git checkout File
Switched to branch 'File'
```

Checkout-b

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git checkout -b rebase1
Switched to a new branch 'rebase1'
```

Clone

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git clone https://github.com/KVS-Siddardh/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 7 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (7/7), done.
```

Commit

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git commit -m "clubtasks"
[master (root-commit) 88ed072] clubtasks
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file.txt
```

commit -a

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git commit -a
On branch master
nothing to commit, working tree clean
```

Fetch

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (File1)
$ git fetch
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 7 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (7/7), 1.37 KiB | 43.00 KiB/s, done.
From https://github.com/KVS-Siddardh/Cognizance
* [new branch]      Main      -> origin/Main
```

Merge

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git merge File
Already up to date.
```

Pull

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git pull origin master
Already up to date.
From https://github.com/KVS-Siddardh/Cognizance
* branch            master      -> FETCH_HEAD
Already up to date.
```

Push

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 226 bytes | 226.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/KVS-Siddardh/Cognizance/pull/new/master
remote:
To https://github.com/KVS-Siddardh/Cognizance.git
* [new branch]      master -> master
```

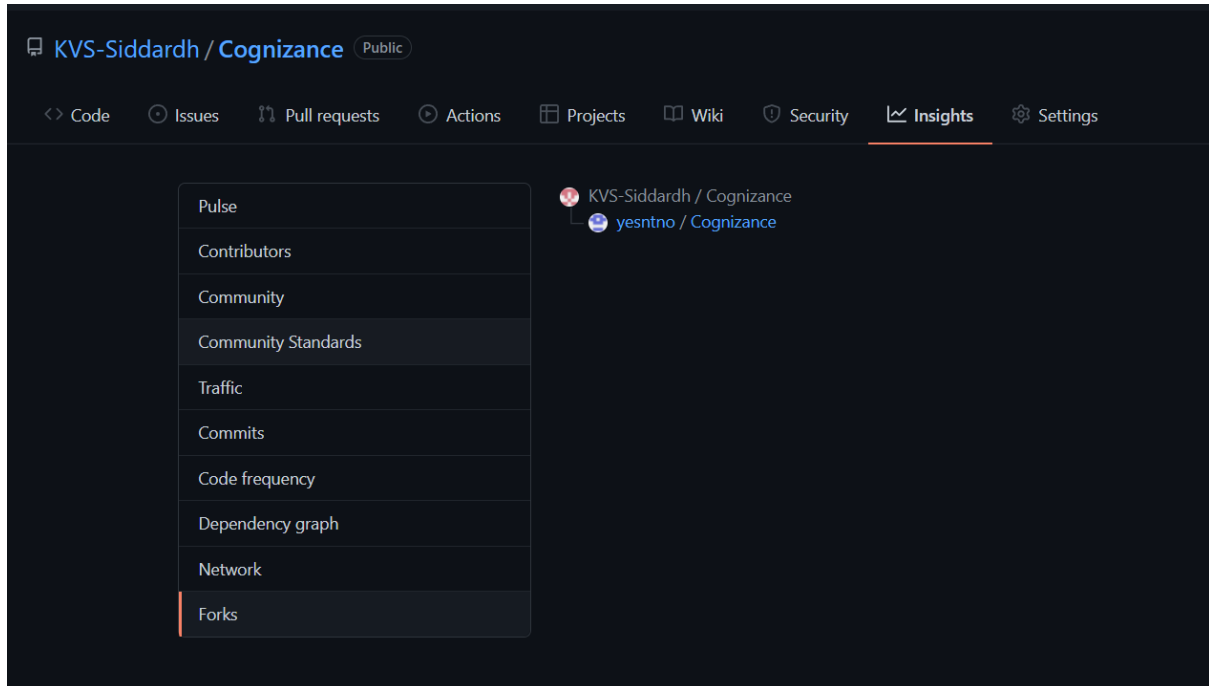
Reset

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (master)
$ git reset --soft
```

Rebase

```
siddu@LAPTOP-TIQQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (rebase1)
$ git rebase rebase1
Current branch rebase1 is up to date.
```

Fork



The screenshot shows the GitHub repository page for **KVS-Siddardh / Cognizance**, which is marked as **Public**. The navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights (which is the active tab), and Settings.

On the left, a sidebar menu lists various insights: Pulse, Contributors, Community, Community Standards, Traffic, Commits, Code frequency, Dependency graph, Network, and Forks (which is highlighted with an orange bar).

The main content area displays the repository name **KVS-Siddardh / Cognizance** and shows a list of forks. The first fork listed is **yesntno / Cognizance**.

3. Upload the screenshot of Gitbash using this command in your computer.

Git config --list --show-origin

```
siddu@LAPTOP-TIQTDGE MINGW64 ~/OneDrive/Desktop/Cognizance/Task-1 (rebase1)
$ 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/siddu/.gitconfig user.name=KVS_Siddardh
file:C:/Users/siddu/.gitconfig user.email=ch.en.u4cse21225@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/KVS-Siddardh/Cognizance.git
file:.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
```