

COGNIZANCE

Task 1 (Git And Github)

Creating a Repository

```
Shanker@DESKTOP-RT6GV8A MINGW64 ~ (master)
$ pwd
/c/Users/Shanker

Shanker@DESKTOP-RT6GV8A MINGW64 ~ (master)
$ mkdir Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~ (master)
$ ls
3D Objects/      Documents/      NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.b1f      Recent@      'VirtualBox VMs'/
AppData/         Downloads/      NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.Container00000000000000000001.regtrans-ms  Sandbox/      ntuser.dat.LOG1
'Application Data'@  Favorites/      NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.Container00000000000000000002.regtrans-ms  'Saved Games'/  ntuser.dat.LOG2
BullseyeCoverageError.txt  Links/          NetHood@      Searches/      ntuser.ini
Cognizance/      'Local Settings'@  OneDrive/     SendTo@      'Start Menu'@
Contacts/         Music/            PrintHood@    Templates@
Cookies@          'My Documents'@  PycharmProjects/  Videos/
'Creative Cloud Files'/  NTUSER.DAT      README.md
```

```
Shanker@DESKTOP-RT6GV8A MINGW64 ~ (master)
$ cd Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~/Cognizance (master)
$ git init
Initialized empty Git repository in C:/Users/Shanker/Cognizance/.git/

Shanker@DESKTOP-RT6GV8A MINGW64 ~/Cognizance (master)
$
```

Git Add

```
Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git add sample.txt

Shanker@DESKTOP-RT6GV8A 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:   sample.txt

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ |
```

Git Checkout

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git checkout main
Switched to a new branch 'main'
branch 'main' set up to track 'origin/main'.

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ |
```

Git Checkout B

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git branch

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (master)
$ git checkout -b task
Switched to a new branch 'task'

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task)
$ |
```

Git Clone

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop

shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop (master)
$ git clone https://github.com/rustyls/pytorch_scatter.git
Cloning into 'pytorch_scatter'...
remote: Enumerating objects: 4987, done.
remote: Counting objects: 100% (977/977), done.
remote: Compressing objects: 100% (370/370), done.
remote: Total 4987 (delta 588), reused 842 (delta 490), pack-reused 4010
Receiving objects: 100% (4987/4987), 731.67 KiB | 2.58 MiB/s, done.
Resolving deltas: 100% (3243/3243), done.

shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop (master)
$ |
```

Git Commit

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task)
$ git commit -m "first commit"
>
> git commit -m "first commit"
> ^C

shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task)
$

shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task)
$ git commit -m "first commit"
[task (root-commit) f8bfdec] first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 sample.txt

shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task)
$
```

Git Fetch

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task2)
$ git fetch

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task2)
$ git fetch origin

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task2)
$ git fetch -all
error: did you mean '--all' (with two dashes)?

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task2)
$ git fetch --all
Fetching origin

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task2)
$ |
```

Git Merge

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git merge task1
fatal: refusing to merge unrelated histories

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git checkout mastwer
error: pathspec 'mastwer' did not match any file(s) known to git

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git checkout master
error: pathspec 'master' did not match any file(s) known to git

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git checkout master
error: pathspec 'master' did not match any file(s) known to git

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ git checkout task1
switched to branch 'task1'
Your branch is up to date with 'origin/task1'.

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git merge main
fatal: refusing to merge unrelated histories

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git checkout -b task2
Switched to a new branch 'task2'

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task2)
$ git merge task1
Already up to date.

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task2)
$
```

git reset

```
Shanker@DESKTOP-RT6GV8A MINGW64 ~/Cognizance (master)
$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)

Shanker@DESKTOP-RT6GV8A MINGW64 ~/Cognizance (master)
$ |
```

Git Commit – a

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

Shanker@DESKTOP-RT6GV8A 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

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (main)
$ |
```

Git pull

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git pull
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), 1.19 KiB | 27.00 KiB/s, done.
From https://github.com/saisharan0103/Cognizance
   f8bfdec..5c8068a  task1      -> origin/task1
   * [new branch]   main       -> origin/main
Updating f8bfdec..5c8068a
Fast-forward
 sample.txt | 1 +
 1 file changed, 1 insertion(+)

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ |
```

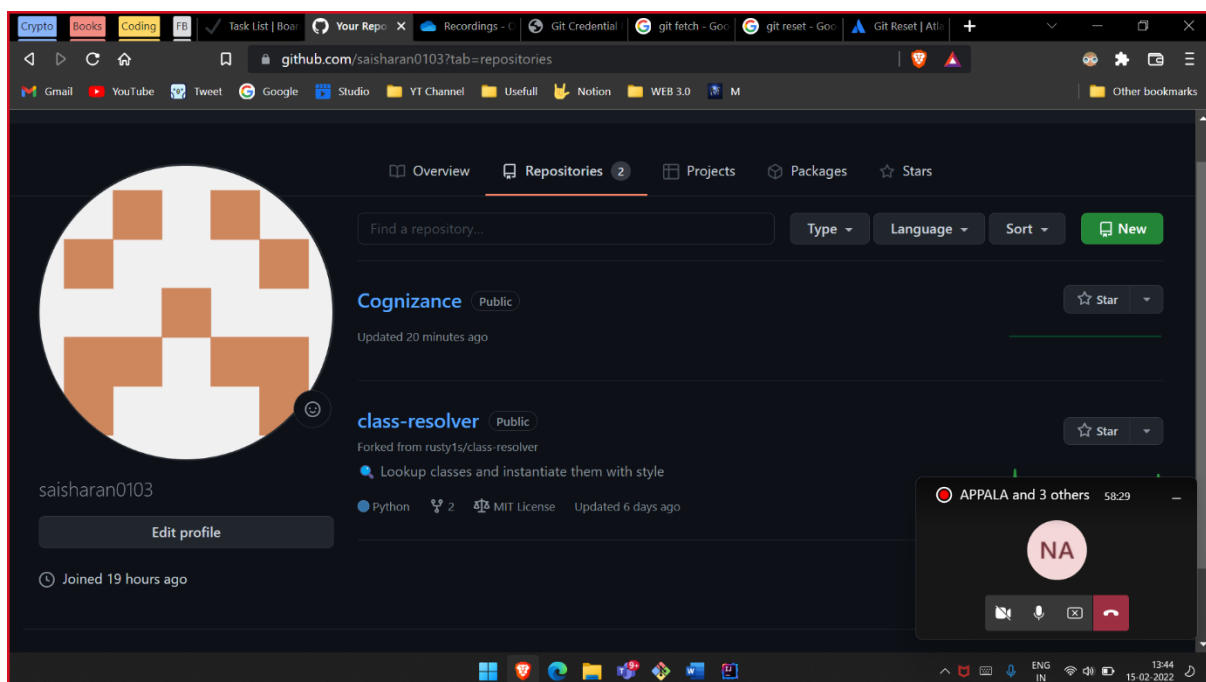
Git Rebase

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git rebase main
Successfully rebased and updated refs/heads/task1.

shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ |
```

Fork



The screenshot shows a web browser window displaying the GitHub profile of user 'saisharan0103'. The profile page includes a circular avatar with a pixelated orange and white pattern, the username 'saisharan0103', and a bio. The 'Repositories' tab is active, showing a list of repositories. The first repository is 'Cognizance', which is public and was updated 20 minutes ago. The second repository is 'class-resolver', which is public, forked from 'rusty1s/class-resolver', and has a description 'Lookup classes and instantiate them with style'. It is written in Python, has 2 forks, and is licensed under MIT. A video call window is visible in the bottom right corner of the browser, showing a participant with the initials 'NA' and a duration of 58:29. The browser's address bar shows the URL 'github.com/saisharan0103?tab=repositories'. The Windows taskbar is visible at the bottom of the screen.

Username And Email

```
MINGW64:/c/Users/Shanker/OneDrive/Desktop/Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git config --global user.name "saisharan0103"

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git config --global user.email "domakondasaisharan@gmail.com"

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git remote add origin https://github.com/saisharan0103/Cognizance.git

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git push origin
fatal: The current branch task1 has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin task1

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git push --set-upstream origin task1
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 215 bytes | 71.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'task1' on GitHub by visiting:
remote:   https://github.com/saisharan0103/Cognizance/pull/new/task1
remote:
To https://github.com/saisharan0103/Cognizance.git
 * [new branch]      task1 -> task1
branch 'task1' set up to track 'origin/task1'.

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$ git push origin
Everything up-to-date

Shanker@DESKTOP-RT6GV8A MINGW64 ~/OneDrive/Desktop/Cognizance (task1)
$
```


Git List Show

```
MINGW64:/c/Users/Shanker/Cognizance

Shanker@DESKTOP-RT6GV8A MINGW64 ~/Cognizance (master)
$ git config --list --show
error: ambiguous option: show (could be --show-origin or --show-scope)
usage: git config [<options>]

Config file location
  --global          use global config file
  --system          use system config file
  --local           use repository config file
  --worktree        use per-worktree config file
  -f, --file <file> use given config file
  --blob <blob-id>  read config from given blob object

Action
  --get             get value: name [value-pattern]
  --get-all        get all values: key [value-pattern]
  --get-regexp      get values for regexp: name-regex [value-pattern]
  --get-urlmatch    get value specific for the URL: section[.var] URL
  --replace-all    replace all matching variables: name value [value-pattern]
  --add             add a new variable: name value
  --unset           remove a variable: name [value-pattern]
  --unset-all      remove all matches: name [value-pattern]
  --rename-section  rename section: old-name new-name
  --remove-section  remove a section: name
  -l, --list        list all
  --fixed-value     use string equality when comparing values to 'value-pattern'
  -e, --edit        open an editor
  --get-color       find the color configured: slot [default]
  --get-colorbool   find the color setting: slot [stdout-is-tty]

Type
  -t, --type <>    value is given this type
  --bool            value is "true" or "false"
  --int             value is decimal number
  --bool-or-int     value is --bool or --int
  --bool-or-str     value is --bool or string
  --path            value is a path (file or directory name)
  --expiry-date     value is an expiry date

Other
  -z, --null        terminate values with NUL byte
  --name-only       show variable names only
  --includes        respect include directives on lookup
  --show-origin     show origin of config (file, standard input, blob, command line)
  --show-scope      show scope of config (worktree, local, global, system, command)
  --default <value> with --get, use default value when missing entry

Shanker@DESKTOP-RT6GV8A MINGW64 ~/Cognizance (master)
$ |
```

Git List Show Origin

```
Shanker@DESKTOP-RT6GV8A MINGW64 ~/Cognizance (master)
$ git config --list --show-origin
file:D:/Github/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:D:/Github/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:D:/Github/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:D:/Github/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:D:/Github/Git/etc/gitconfig filter.lfs.required=true
file:D:/Github/Git/etc/gitconfig http.sslbackend=openssl
file:D:/Github/Git/etc/gitconfig http.sslcainfo=D:/Github/Git/mingw64/ssl/certs/ca-bundle.crt
file:D:/Github/Git/etc/gitconfig core.autocrlf=true
file:D:/Github/Git/etc/gitconfig core.fscache=true
file:D:/Github/Git/etc/gitconfig core.symlinks=false
file:D:/Github/Git/etc/gitconfig pull.rebase=false
file:D:/Github/Git/etc/gitconfig credential.helper=manager-core
file:D:/Github/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:D:/Github/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/Shanker/.gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Users/Shanker/.gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/Shanker/.gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Users/Shanker/.gitconfig filter.lfs.required=true
file:C:/Users/Shanker/.gitconfig user.name=saisharan0103
file:C:/Users/Shanker/.gitconfig user.email=domakondasaisharan@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

Shanker@DESKTOP-RT6GV8A MINGW64 ~/Cognizance (master)
$
```