

# GIT AND GITHUB

ADD:

```
sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive
$ cd cognizance

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ ls
index.txt.txt

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git add .

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   index.txt.txt
```

COMMIT:

```
MINGW64:/c/users/sridharan/onedrive/cognizance

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git commit -m twoheadings
[master (root-commit) 560a53a] twoheadings
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.txt.txt

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git status
On branch master
nothing to commit, working tree clean

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git log
commit 560a53a95d045bb5868097b94f3fa5d2423890a3 (HEAD -> master)
Author: SRIDHARAN35 <sridharan3770@gmail.com>
Date:   Tue Feb 15 16:09:06 2022 +0530

    twoheadings

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git status
On branch master
nothing to commit, working tree clean
```

LOG:

```
MINGW64:/c/users/sridharan/onedrive/cognizance
sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git log
commit 560a53a95d045bb5868097b94f3fa5d2423890a3 (HEAD -> master)
Author: SRIDHARAN35 <sridharan3770@gmail.com>
Date: Tue Feb 15 16:09:06 2022 +0530

    twoheadings

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git log --onedrive
fatal: unrecognized argument: --onedrive

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git log --oneline
560a53a (HEAD -> master) twoheadings
```

## CHECKOUT

```
MINGW64:/c/users/sridharan/onedrive/cognizance
sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git checkout 560a53a
Note: switching to '560a53a'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 560a53a twoheadings
sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance ((560a53a...))
$ git checkout master
Switched to branch 'master'
```

## CHECKOUT -b:

```
MINGW64:/c/users/sridharan/onedrive/cognizance
sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ echo use 'git branch -a'
use git branch -a

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (master)
$ git checkout -b test2
Switched to a new branch 'test2'

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (test2)
$ git branch -a
  master
* test2
```

GIT CONFIG --LIST-SHOW-ORIGIN:

```
sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
git config --list --show-origin
file:D:/Downloads/PortableGit/etc/gitconfig      core.symlinks=false
file:D:/Downloads/PortableGit/etc/gitconfig      core.autocrlf=true
file:D:/Downloads/PortableGit/etc/gitconfig      core.fscache=true
file:D:/Downloads/PortableGit/etc/gitconfig      color.diff=auto
file:D:/Downloads/PortableGit/etc/gitconfig      color.status=auto
file:D:/Downloads/PortableGit/etc/gitconfig      color.branch=auto
file:D:/Downloads/PortableGit/etc/gitconfig      color.interactive=true
file:D:/Downloads/PortableGit/etc/gitconfig      help.format=html
file:D:/Downloads/PortableGit/etc/gitconfig      diff.astextplain.textconv=astextplain
file:D:/Downloads/PortableGit/etc/gitconfig      rebase.autosquash=true
file:D:/Downloads/PortableGit/etc/gitconfig      filter.lfs.clean=git-lfs clean -- %f
file:D:/Downloads/PortableGit/etc/gitconfig      filter.lfs.smudge=git-lfs smudge -- %f
file:D:/Downloads/PortableGit/etc/gitconfig      filter.lfs.process=git-lfs filter-process
file:D:/Downloads/PortableGit/etc/gitconfig      filter.lfs.required=true
file:D:/Downloads/PortableGit/etc/gitconfig      credential.helper=helper-selector
file:C:/Users/sridharan/.gitconfig               user.name=SRIDHARAN35
file:C:/Users/sridharan/.gitconfig               user.email=sridharan3770@gmail.com
file:C:/Users/sridharan/.gitconfig               filter.lfs.required=true
file:C:/Users/sridharan/.gitconfig               filter.lfs.clean=git-lfs clean -- %f
file:C:/Users/sridharan/.gitconfig               filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/sridharan/.gitconfig               filter.lfs.process=git-lfs filter-process
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=http://https://github.com/SRIDHARAN35/Cognizance
file:./git/config                                remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
```

CLONE:

```
sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ git clone https://github.com/SRIDHARAN35/Cognizance
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 4 (delta 0), pack-reused 0
Receiving objects: 100% (7/7), done.

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ ls
Cognizance/  idex.txt.txt  task1/
```

RESET:

```

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ git log --oneline
560a53a (HEAD -> main, test2) twoheadings

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ ls
Cognizance/ idex.txt.txt task1/

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ git reset 560a53a --hard
HEAD is now at 560a53a twoheadings

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ git log --oneline
560a53a (HEAD -> main, test2) twoheadings

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ ls
Cognizance/ idex.txt.txt task1/

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$

```

REBASE:

```

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ git reset 560a53a --hard
HEAD is now at 560a53a twoheadings

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ git log --oneline
560a53a (HEAD -> main, test2) twoheadings

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ ls
Cognizance/ idex.txt.txt task1/

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ git rebase main
Successfully rebased and updated refs/heads/main.

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$ ls
Cognizance/ idex.txt.txt task1/

sridharan@DESKTOP-036B2K9 MINGW64 /c/users/sridharan/onedrive/cognizance (main)
$

```