

# 1

## Cognizance Task-1

```
MINGW64:/c/Users/91949

91949@LAPTOP-LGBUSSPG MINGW64 ~ (main)
$ git config user.name "koush1403"

91949@LAPTOP-LGBUSSPG MINGW64 ~ (main)
$ git config user.email "ch.en.u4cse21033@ch.students.amrita.edu"

91949@LAPTOP-LGBUSSPG MINGW64 ~ (main)
$ cat .git/config
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true
[remote "origin"]
    url = https://github.com/koush1403/Cognizance.git
    fetch = +refs/heads/*:refs/remotes/origin/*
[user]
    name = koush1403
    email = ch.en.u4cse21033@ch.students.amrita.edu
```

```

MINGW64:/c/Users/91949/Cognizance

91949@LAPTOP-LGBUSSPG MINGW64 ~ (main)
$ mkdir Cognizance

91949@LAPTOP-LGBUSSPG MINGW64 ~ (main)
$ cd Cognizance

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (main)
$ git init
Initialized empty Git repository in C:/Users/91949/Cognizance/.git/

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ touch TASK-1

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ git add TASK-1

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ git commit -m 'first commit'
[master (root-commit) c216a50] first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 TASK-1

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ git remote add origin https://github.com/koush1403/Cognizance.git

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/koush1403/Cognizance.git'

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 219 bytes | 31.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/koush1403/Cognizance.git
 * [new branch]      master -> master

```

## git add

```

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ git add TASK-1

```

## git checkout

```

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ git branch
  inamrita
  is
  koushik
* master

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (master)
$ git checkout koushik
Switched to branch 'koushik'

```

## git checkout -b

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (koushik)
$ git checkout -b karthik
Switched to a new branch 'karthik'
```

## git clone

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo (karthik)
$ git clone https://github.com/koush1403/Cognizance
Cloning into 'Cognizance'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

## git commit

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo/fork (main)
$ git commit
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

## git commit -a

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo/fork (main)
$ git commit -a
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

## git fetch

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo (koushik)
$ git fetch koushik
From https://github.com/koush1403/Cognizance
* [new branch]      koushik    -> koushik/koushik
* [new branch]      master     -> koushik/master
```

## git merge

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (koushik)
$ git merge protect
Already up to date.
```

## git pull

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (koushik)
$ git pull koushik koushik
From https://github.com/koush1403/Cognizance
 * branch      koushik      -> FETCH_HEAD
Already up to date.
```

## git push

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (koushik)
$ git push origin koushik
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 253 bytes | 63.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/koush1403/Cognizance.git
   c216a50..565b6e0  koushik -> koushik
```

## git reset

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (koushik)
$ git reset --soft c216a50b8fdcfab6447526d47b0fc19b8870fe28

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance (koushik)
$ git log
commit c216a50b8fdcfab6447526d47b0fc19b8870fe28 (HEAD -> koushik, origin/master, koushik/master, koushik/koushik, protect
, master, karthik, is, inamrita)
Author: koush1403 <ch.en.u4cse21033@ch.students.amrita.edu>
Date:   Tue Feb 15 10:27:33 2022 +0530
```

## git rebase

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo (koushik)
$ git rebase koushik
Current branch koushik is up to date.
```

## git fork

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo (koushik)
$ git clone https://github.com/koush1403/fork
Cloning into 'fork'...
warning: You appear to have cloned an empty repository.
```

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo (koushik)
$ cd fork

91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo/fork (main)
$ git remote add upstream https://github.com/koush1403/Cognizance
```

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo/fork (main)
$ git pull upstream koushik
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 5 (delta 1), reused 4 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 381 bytes | 1024 bytes/s, done.
From https://github.com/koush1403/Cognizance
 * branch          koushik      -> FETCH_HEAD
 * [new branch]    koushik      -> upstream/koushik
```

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo/fork (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 401 bytes | 40.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/koush1403/fork
 * [new branch]    main -> main
```

3)

```
git config --list --show-origin
```

```
91949@LAPTOP-LGBUSSPG MINGW64 ~/Cognizance/git-repo/fork (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/91949/.gitconfig user.name=koush1403
file:C:/Users/91949/.gitconfig user.email=ch.en.u4cse21033@ch.students.amrita.edu
file:C:/Users/91949/.gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Users/91949/.gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/91949/.gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Users/91949/.gitconfig filter.lfs.required=true
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/koush1403/Fork
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
file:./.git/config remote.upstream.url=https://github.com/koush1403/Cognizance
file:./.git/config remote.upstream.fetch=+refs/heads/*:refs/remotes/upstream/*
```