



# AMRITA

## VISHWA VIDYAPEETHAM

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### 1. Creating Repository

```
MINGW64:/c/Users/YASH/Desktop  
gi  
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop (master)  
$ git config user.name "riyatomar9"  
  
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop (master)  
$ git config user.email "riyat3012@gmail.com"
```

```
MINGW64:/c/Users/YASH/Desktop/cognizance  
  
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop (master)  
$ mkdir cognizance
```

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop (master)  
$ cd cognizance  
  
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)  
$ |
```

### 2. Creating Folder

```

MINGW64:/c/Users/YASH/Desktop/cognizance

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git init
Initialized empty Git repository in C:/Users/YASH/Desktop/cognizance/.git/

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git add "Task-1"

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git commit -m "first commit"
[master (root-commit) b2011cf] first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Task-1/html.txt

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git remote add origin https://github.com/riyatomar9/cognizance.git

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git push -u origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 250 bytes | 250.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/riyatomar9/cognizance.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

```

## Git add

```

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git add "Task-1"

```

## Git checkout

```

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (branch1)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

```

## Git checkout -b

```

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git checkout -b branch1
Switched to a new branch 'branch1'

```

## Git clone

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git clone https://github.com/riyatomar9/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

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git commit
On branch master
Your branch is up to date with 'origin/master'.
```

## Git commit -a

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ touch add.txt

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git add "add.txt"

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ touch many.txt

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git add "many.txt"

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git commit -a
Aborting commit due to empty commit message.

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git commit -a
[master f1749a4] anges made
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 add.txt
create mode 100644 many.txt
```

## Git fetch

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git fetch
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 677 bytes | 13.00 KiB/s, done.
From https://github.com/riyatomar9/cognizance
   b2011cf..b04c6b9  master    -> origin/master
```

## Git merge

```
MINGW64:/c/Users/YASH/Desktop/cognizance
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git checkout branch1
Switched to branch 'branch1'

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (branch1)
$ touch test.txt

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (branch1)
$ git add "test.txt"

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (branch1)
$ git commit -m "second commit"
[branch1 4d3b00a] second commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 test.txt

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (branch1)
$ git remote add origin https://github.com/riyatomar9/cognizance.git
error: remote origin already exists.

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (branch1)
$ git push -u origin master
To https://github.com/riyatomar9/cognizance.git
! [rejected]        master -> master (non-fast-forward)
error: failed to push some refs to 'https://github.com/riyatomar9/cognizance.git'
hint: Updates were rejected because a pushed branch tip is behind its remote
hint: counterpart. Check out this branch and integrate the remote changes
hint: (e.g. 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (branch1)
$ git checkout master
Switched to branch 'master'
Your branch is behind 'origin/master' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git push -u origin branch1
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 270 bytes | 270.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote:   https://github.com/riyatomar9/cognizance/pull/new/branch1
remote:
To https://github.com/riyatomar9/cognizance.git
 * [new branch]      branch1 -> branch1
branch 'branch1' set up to track 'origin/branch1'.

YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git merge branch1
Updating b2011cf..4d3b00a
Fast-forward
 test.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
```

## Git pull

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git pull
Merge made by the 'ort' strategy.
 Task-1/html.txt | 1 +
 1 file changed, 1 insertion(+)
```

## Git push

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git push -u origin branch1
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 270 bytes | 270.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote:   https://github.com/riyatomar9/cognizance/pull/new/branch1
remote:
To https://github.com/riyatomar9/cognizance.git
 * [new branch]      branch1 -> branch1
branch 'branch1' set up to track 'origin/branch1'.
```

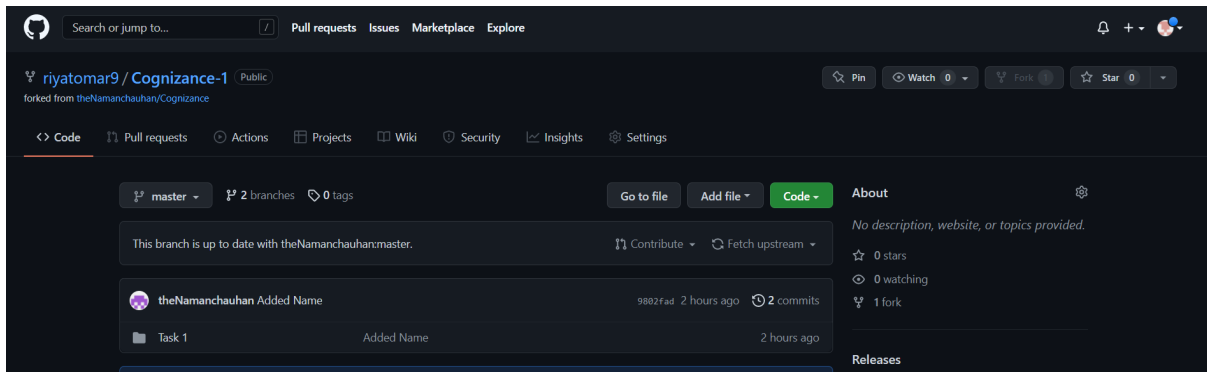
## Git reset

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git reset --hard
HEAD is now at 194ed3d Merge branch 'master' of https://github.com/riyatomar9/cognizance
```

## Git rebase

```
YASH@DESKTOP-J05EE4U MINGW64 ~/Desktop/cognizance (master)
$ git rebase
Successfully rebased and updated refs/heads/master.
```

## FORK



3.

```

MINGW64/c/Users/YASH/Desktop
YASH@DESKTOP-305EE4U MINGW64 ~/Desktop (master)
$ 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.usehttp
path=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/YASH/.gitconfig user.name=riyatomar9
file:C:/Users/YASH/.gitconfig user.email=riyat3012@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
...skipping...
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/YASH/.gitconfig user.name=riyatomar9
file:C:/Users/YASH/.gitconfig user.email=riyat3012@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
file:./git/config remote.origin.url=https://github.com/riyatomar9/myself.git
file:./git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
~
~
~

```

THANK YOU.....

