



AMRITA

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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'.
```

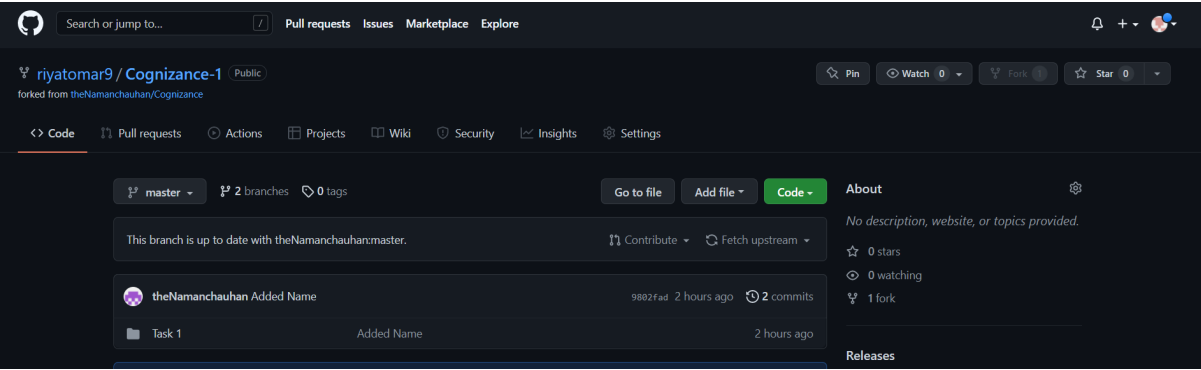
Git reset

```
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



THANK YOU.....