

# TASK – 01

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## 01.Making repository

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/source
$ pwd
/c/Users/91811/source

91811@LAPTOP-S1PMF4S6 MINGW64 ~/source
$ ls
repos/

91811@LAPTOP-S1PMF4S6 MINGW64 ~/source
$ mkdir Cognizance

91811@LAPTOP-S1PMF4S6 MINGW64 ~/source
$ ls
Cognizance/  repos/

91811@LAPTOP-S1PMF4S6 MINGW64 ~/source
$ cd Cognizance

91811@LAPTOP-S1PMF4S6 MINGW64 ~/source/Cognizance
$ mkdir TASK-1

91811@LAPTOP-S1PMF4S6 MINGW64 ~/source/Cognizance
$ ls
TASK-1/

91811@LAPTOP-S1PMF4S6 MINGW64 ~/source/Cognizance
$ git init
Initialized empty Git repository in C:/Users/91811/source/Cognizance/.git/

91811@LAPTOP-S1PMF4S6 MINGW64 ~/source/Cognizance (master)
$ git remote add origin https://github.com/AravindMohan-01/Cognizance.git
```

## 02. git config --list --show-origin

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (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 core.usebuiltinfsmonitor=true
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/91811/.gitconfig user.name=AravindMohan-01
file:C:/Users/91811/.gitconfig user.email=ch.en.u4cys21006@ch.students.amrita.edu
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/AravindMohan-01/Cognizance.git
file:./git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
```

## 03. git add

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (main)
$ git add Commands.pdf
```

#### 04. git checkout -b

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (Jan)
$ git checkout -b Jake
Switched to a new branch 'Jake'
```

#### 05. git checkout

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (master)
$ git checkout Jake
Switched to branch 'Jake'
```

#### 06. git clone

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (Jake)
$ git clone C:\Users\91811\source
Cloning into 'Users91811source'...
warning: You appear to have cloned an empty repository.
done.
```

#### 07. git commit -m

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (Jake)
$ git commit -m "Commit 1"
[Jake (root-commit) 3a335b4] Commit 1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 TASK-1/Commands.pdf
```

#### 08. git commit -a

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (Jake)
$ git commit -a
On branch Jake
nothing to commit, working tree clean
```

#### 09. git merge

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (master)
$ git merge Jake
Already up to date.
```

## 10. git push

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance (master)
$ git push origin Jake
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% (4/4), 21.44 KiB | 7.15 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AravindMohan-01/Cognizance.git
 * [new branch]      Jake -> Jake
```

## 11. git pull

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/C1 (master)
$ mkdir alpha

91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/C1 (master)
$ git init
Reinitialized existing Git repository in C:/Users/91811/Documents/C1/.git/

91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/C1 (master)
$ git pull https://github.com/AravindMohan-01/Cognizance.git
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 4 (delta 0), reused 4 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 21.42 KiB | 1.43 MiB/s, done.
From https://github.com/AravindMohan-01/Cognizance
 * branch                HEAD              -> FETCH_HEAD

91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/C1 (master)
$ git fetch
From https://github.com/AravindMohan-01/Cognizance
 * [new branch]          Jake              -> origin/Jake
```

## 12. git rebase

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (Jake)
$ git log -2
commit 3a335b4edaa1f681821ecd5b49a51f74450c4841 (HEAD -> Jake, origin/Jake)
Author: AravindMohan-01 <ch.en.u4cys21006@ch.students.amrita.edu>
Date:   Mon Feb 14 12:36:08 2022 +0530

    Commit 1

91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (Jake)
$ git rebase master
Successfully rebased and updated refs/heads/Jake.

91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (Jake)
$ git log -1
commit e65e0c03eceedfbad3b1060b5dfb6be23b7b1d890 (HEAD -> Jake, master)
Author: AravindMohan-01 <ch.en.u4cys21006@ch.students.amrita.edu>
Date:   Mon Feb 14 18:11:28 2022 +0530

    C
```

### 13. git reset

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (master)
$ git reflog
721293a (HEAD -> master, origin/master) HEAD@{0}: commit: CD
3a335b4 HEAD@{1}: reset: moving to 3a335b4edaa1f681821ecd5b49a51f74450c4841
e65e0c0 (origin/Jake, Jake) HEAD@{2}: checkout: moving from Jake to master
e65e0c0 (origin/Jake, Jake) HEAD@{3}: rebase (finish): returning to refs/heads/Jake
e65e0c0 (origin/Jake, Jake) HEAD@{4}: rebase (start): checkout master
3a335b4 HEAD@{5}: checkout: moving from master to Jake
e65e0c0 (origin/Jake, Jake) HEAD@{6}: commit: C
1beaa33 (origin/Jan, Jan) HEAD@{7}: reset: moving to HEAD
1beaa33 (origin/Jan, Jan) HEAD@{8}: commit: CH
79d0bf9 HEAD@{9}: reset: moving to HEAD
79d0bf9 HEAD@{10}: commit: New files
3a335b4 HEAD@{11}: reset: moving to HEAD
3a335b4 HEAD@{12}: checkout: moving from Jake to master
3a335b4 HEAD@{13}: commit (initial): Commit 1

91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (master)
$ git reset --hard e65e0c0
HEAD is now at e65e0c0 C

91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (master)
$ git reflog
e65e0c0 (HEAD -> master, origin/Jake, Jake) HEAD@{0}: reset: moving to e65e0c0
721293a (origin/master) HEAD@{1}: commit: CD
3a335b4 HEAD@{2}: reset: moving to 3a335b4edaa1f681821ecd5b49a51f74450c4841
e65e0c0 (HEAD -> master, origin/Jake, Jake) HEAD@{3}: checkout: moving from Jake to master
e65e0c0 (HEAD -> master, origin/Jake, Jake) HEAD@{4}: rebase (finish): returning to refs/heads/Jake
e65e0c0 (HEAD -> master, origin/Jake, Jake) HEAD@{5}: rebase (start): checkout master
3a335b4 HEAD@{6}: checkout: moving from master to Jake
e65e0c0 (HEAD -> master, origin/Jake, Jake) HEAD@{7}: commit: C
1beaa33 (origin/Jan, Jan) HEAD@{8}: reset: moving to HEAD
1beaa33 (origin/Jan, Jan) HEAD@{9}: commit: CH
79d0bf9 HEAD@{10}: reset: moving to HEAD
79d0bf9 HEAD@{11}: commit: New files
3a335b4 HEAD@{12}: reset: moving to HEAD
3a335b4 HEAD@{13}: checkout: moving from Jake to master
3a335b4 HEAD@{14}: commit (initial): Commit 1
```