

TASK – 01

Name: M.Aravind

Roll No: CH.EN.U4CYS21006

01.Username and Mail ID

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance (master|REBASE 2/5)
$ git config -- user.name "AravindMohan-01"

91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance (master|REBASE 2/5)
$ git config --global user.email "ch.en.u4cys21006@ch.students.amrita.edu"
```

02.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
```

03. 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/*
```

04. git add - Add one or more files to staging.

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

05. git checkout -b - Create a new branch and switch to it.

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

06. git checkout - Switch from one branch to another.

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

07. git clone - Create a working copy of a local repository.

```
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.
```

08. git commit -m - Commit changes to head.

```
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
```

09. git commit -a - Commit any files you've added with `git add`, and also commit any files you've changed since then.

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

10. git status

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (master|REBASE 2/5)
$ git status
On branch master
Your branch and 'origin/master' have diverged,
and have 1 and 1 different commits each, respectively.
(use "git pull" to merge the remote branch into yours)

Last commands done (2 commands done):
  pick 79d0bf9 New files
  pick 1beaa33 CH
Next commands to do (3 remaining commands):
  pick e65e0c0 C
  pick 17973f6 A
  (use "git rebase --edit-todo" to view and edit)
You are currently editing a commit while rebasing branch 'master' on '6e09d3c'.
  (use "git commit --amend" to amend the current commit)
  (use "git rebase --continue" once you are satisfied with your changes)

nothing to commit, working tree clean
```

11. git branch

```
91811@LAPTOP-S1PMF4S6 MINGW64 ~/Documents/Cognizance/TASK-1 (master|REBASE 2/5)
$ git branch
  Jake
  Jan
* master
```

12. git merge - To merge a different branch into your active branch.

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

13. git push - Push the branch to your remote repository, so others can use it.

```
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
```

14. git pull - Fetch and merge changes on the remote server to your working directory.

```
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
```

15. git rebase - Used to apply a sequence of commits from distinct branches into a final commit.

```
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
```

16 . git reset - Undoes all the commits after the specified commit and preserves the changes locally.

```
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
```

17. Fork

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main

1 branch

0 tags

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About

This branch is up to date with [saravanan7777/main](#).

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saravanan7777 new text file
667c941 · 33 minutes ago · 3 commits

README.md	first commit	43 minutes ago
q.txt	new text file	33 minutes ago
test1.txt	this is a text file	1 hour ago

README.md

cognizance

Readme

0 stars

0 watching

1 fork

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