

# COGNIZANCE CLUB

## TASK 1

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- git add and commit

MINGW64:/d/github/cognizance

```
enovo@LAPTOP-RUPTP6EO MINGW64 ~  
$ cd /d/github/cognizance  
  
enovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)  
$ git status  
On branch master  
  
no commits yet  
  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
    first.xlsx  
    kanwal.txt  
    second.docx  
  
nothing added to commit but untracked files present (use "git add" to track)  
  
enovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)  
$ git add first.xlsx  
  
enovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)  
$ git commit -m "first commit"  
[master (root-commit) 2356e66] first commit  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 first.xlsx  
  
enovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)  
$ git add .  
  
enovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)  
$ git commit -m "second commit"  
[master 1795c08] second commit  
2 files changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 kanwal.txt  
create mode 100644 second.docx  
  
enovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)  
$ git status  
On branch master  
nothing to commit, working tree clean  
  
enovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)  
$
```

- Creating a remote repository and git push

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git remote add origin https://github.com/kanwal-13/cognizance.git

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git checkout master
Already on 'master'

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/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/kanwal-13/cognizance.git'

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git push -u origin master

Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (13/13), 15.33 KiB | 5.11 MiB/s, done.
Total 13 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/kanwal-13/cognizance.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$
```

- Git pull and fetch

```
Tenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git pull origin master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 747 bytes | 46.00 KiB/s, done.
From https://github.com/kanwal-13/cognizance
 * branch                master      -> FETCH_HEAD
    071289f..bf466b0      master      -> origin/master
Updating 071289f..bf466b0
Fast-forward
 kanwal.txt | 5 +++--
1 file changed, 3 insertions(+), 2 deletions(-)

Tenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git fetch origin master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 768 bytes | 51.00 KiB/s, done.
From https://github.com/kanwal-13/cognizance
 * branch                master      -> FETCH_HEAD
    bf466b0..73d37d4      master      -> origin/master

Tenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$
```

- Git new branch commit and merge



```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git status
On branch master
nothing to commit, working tree clean

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git checkout new
error: pathspec 'new' did not match any file(s) known to git

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git checkout -b "new"
Switched to a new branch 'new'

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git status
On branch new
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   kanwal.txt

no changes added to commit (use "git add" and/or "git commit -a")

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git add kanwal.txt

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git commit -m "first commit of new branch"
[new 071289f] first commit of new branch
1 file changed, 2 insertions(+), 1 deletion(-)

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git status
On branch new
nothing to commit, working tree clean

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git checkout master
Switched to branch 'master'

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git merge new
Updating ba4302f..071289f
Fast-forward
 kanwal.txt | 3 ++-
1 file changed, 2 insertions(+), 1 deletion(-)

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
```

- Git reset

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git log
commit bf466b0c34c01300e09fdf72abc0aad18ed1bcf9 (HEAD -> master)
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>
Date: Tue Feb 15 18:58:06 2022 +0530

    first commit on github

commit 071289ff8b498c3d2d450f474f94e750ffd365f6 (new)
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 18:36:39 2022 +0530

    first commit of new branch

commit ba4302f195f658a2e82597267e1c4ddb34d8ae5a
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 16:12:01 2022 +0530

    third commit

commit 1795c08993b2341ecaa6af6c1f0e2cb58b736bae
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 15:49:19 2022 +0530

    second commit

commit 2356e669ce0e7f82b3beb25e702f1e18416c96fe
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 15:48:35 2022 +0530

    first commit

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git status
On branch master
Your branch is behind 'origin/master' by 1 commit, and can be fast-forwarded.
  (use "git pull" to update your local branch)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   kanwal.txt

no changes added to commit (use "git add" and/or "git commit -a")
```



```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git add .

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git commit -m "reset"
[master 91b8ab3] reset
1 file changed, 2 insertions(+)

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ 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)

nothing to commit, working tree clean

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git log
commit 91b8ab35d345228bc40b4230043ab8acc1bf2e54 (HEAD -> master)
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 19:21:15 2022 +0530

    reset

commit bf466b0c34c01300e09fdf72abc0aad18ed1bcf9
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>
Date: Tue Feb 15 18:58:06 2022 +0530

    first commit on github

commit 071289ff8b498c3d2d450f474f94e750ffd365f6 (new)
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 18:36:39 2022 +0530

    first commit of new branch

commit ba4302f195f658a2e82597267e1c4ddb34d8ae5a
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 16:12:01 2022 +0530

    third commit

commit 1795c08993b2341ecaa6af6c1f0e2cb58b736bae
```

second commit

```
commit 2356e669ce0e7f82b3beb25e702f1e18416c96fe
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 15:48:35 2022 +0530
```

first commit

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git reset bf466b0c34c01300e09fdf72abc0aad18ed1bcf9 --hard
HEAD is now at bf466b0 first commit on github
```

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git log
commit bf466b0c34c01300e09fdf72abc0aad18ed1bcf9 (HEAD -> master)
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>
Date: Tue Feb 15 18:58:06 2022 +0530
```

first commit on github

```
commit 071289ff8b498c3d2d450f474f94e750ffd365f6 (new)
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 18:36:39 2022 +0530
```

first commit of new branch

```
commit ba4302f195f658a2e82597267e1c4ddb34d8ae5a
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 16:12:01 2022 +0530
```

third commit

```
commit 1795c08993b2341ecaa6af6c1f0e2cb58b736bae
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 15:49:19 2022 +0530
```

second commit

```
commit 2356e669ce0e7f82b3beb25e702f1e18416c96fe
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 15:48:35 2022 +0530
```

first commit

## MINGW64:/d/github/cloning repository/cognizance



- Git rebase

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git branch
* master
  new
```

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
$ git checkout new
Switched to branch 'new'
```

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git log
commit 071289ff8b498c3d2d450f474f94e750ffd365f6 (HEAD -> new)
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 18:36:39 2022 +0530
```

first commit of new branch

```
commit ba4302f195f658a2e82597267e1c4ddb34d8ae5a
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 16:12:01 2022 +0530
```

third commit

```
commit 1795c08993b2341ecaa6af6c1f0e2cb58b736bae
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 15:49:19 2022 +0530
```

second commit

```
commit 2356e669ce0e7f82b3beb25e702f1e18416c96fe
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date: Tue Feb 15 15:48:35 2022 +0530
```

first commit

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
```

```
$ git checkout master
```

```
Switched to branch 'master'
```

```
Your branch is up to date with 'origin/master'.
```

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
```

```
$ git log
```

```
commit 73d37d4a1124d89d499223aa73c8a32c85c27c64 (HEAD -> master, origin/master)
```

```
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>
```

```
Date: Tue Feb 15 19:09:36 2022 +0530
```

to try fetch command

```
commit bf466b0c34c01300e09fdf72abc0aad18ed1bcf9
```

```
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>
```

```
Date: Tue Feb 15 18:58:06 2022 +0530
```

first commit on github

```
commit 071289ff8b498c3d2d450f474f94e750ffd365f6
```

```
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
```

```
Date: Tue Feb 15 18:36:39 2022 +0530
```

first commit of new branch

```
commit ba4302f195f658a2e82597267e1c4ddb34d8ae5a
```

```
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
```

```
Date: Tue Feb 15 16:12:01 2022 +0530
```

third commit

```
commit 1795c08993b2341ecaa6af6c1f0e2cb58b736bae
```

```
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
```

```
Date: Tue Feb 15 15:49:19 2022 +0530
```

second commit

```
commit 2356e669ce0e7f82b3beb25e702f1e18416c96fe
```

```
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
```

```
Date: Tue Feb 15 15:48:35 2022 +0530
```

first commit

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (master)
```

```
$ git checkout new
```

```
Switched to branch 'new'
```

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git status
On branch new
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   first.xlsx

no changes added to commit (use "git add" and/or "git commit -a")

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git add .

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git commit -m "to understand rebase"
[new c3347de] to understand rebase
1 file changed, 0 insertions(+), 0 deletions(-)
rewrite first.xlsx (69%)

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git rebase master
Successfully rebased and updated refs/heads/new.

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ git log
commit 3cd5f21157fa6c95d4ff1959b03e2d8b065d0b9a (HEAD -> new)
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>
Date:   Tue Feb 15 21:02:29 2022 +0530

    to understand rebase

commit 73d37d4a1124d89d499223aa73c8a32c85c27c64 (origin/master, master)
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>
Date:   Tue Feb 15 19:09:36 2022 +0530

    to try fetch command

commit bf466b0c34c01300e09fdf72abc0aad18ed1bcf9
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>
Date:   Tue Feb 15 18:58:06 2022 +0530
```



```
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>  
Date: Tue Feb 15 19:09:36 2022 +0530
```

to try fetch command

```
commit bf466b0c34c01300e09fdf72abc0aad18ed1bcf9
```

```
Author: kanwal-13 <99640319+kanwal-13@users.noreply.github.com>  
Date: Tue Feb 15 18:58:06 2022 +0530
```

first commit on github

```
commit 071289ff8b498c3d2d450f474f94e750ffd365f6
```

```
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>  
Date: Tue Feb 15 18:36:39 2022 +0530
```

first commit of new branch

```
commit ba4302f195f658a2e82597267e1c4ddb34d8ae5a
```

```
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>  
Date: Tue Feb 15 16:12:01 2022 +0530
```

third commit

```
commit 1795c08993b2341ecaa6af6c1f0e2cb58b736bae
```

```
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>  
Date: Tue Feb 15 15:49:19 2022 +0530
```

second commit

```
commit 2356e669ce0e7f82b3beb25e702f1e18416c96fe
```

```
Author: Kanwaljeet Kaur <kanwal130803@gmail.com>  
Date: Tue Feb 15 15:48:35 2022 +0530
```

first commit

```
Tenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
```

```
$ git checkout new  
Already on 'new'
```

```
Tenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
```

```
$
```

- Git config --list --show-origin

MINGW64: d/github/cognizance

```
lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$ 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/lenovo/.gitconfig user.name=Kanwaljeet Kaur
file:C:/Users/lenovo/.gitconfig user.email=kanwal130803@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/kanwal-13/cognizance.git
file:.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
file:.git/config branch.master.remote=origin
file:.git/config branch.master.merge=refs/heads/master

lenovo@LAPTOP-RUPTP6EO MINGW64 /d/github/cognizance (new)
$
```