


# TASK-1

**CHARISHMA LOTTI**  
**CH.EN.U4CYS21010**

# Creating a Repository named "Cognizance" and a folder "task1"



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main

2 branches

0 tags

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Add file

Code

CHARISHMA-LOTTI Update task1

b2431ad 42 minutes ago 13 commits

README.md	Initial commit	21 hours ago
file1	Update file1	43 minutes ago
file2	Update file2	1 hour ago
task1	Update task1	42 minutes ago

README.md

Cognizance

About

No description, website, or topics provided.

Readme

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```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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:   task1
        modified:   test1

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

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git add task1

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git add test1
warning: LF will be replaced by CRLF in test1.
The file will have its original line endings in your working directory

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   task1
        modified:   test1

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ |
```

Git add :  
puts  
current working  
files into the  
stage

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/cognizance (1stbranch)
```

```
$ git checkout main
```

```
Switched to branch 'main'
```

```
A      task1
```

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

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/cognizance (main)
```

```
$ git push origin 1stbranch
```

```
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
```

```
remote:
```

```
remote: Create a pull request for '1stbranch' on GitHub by visiting:
```

```
remote:      https://github.com/CHARISHMA-LOTTI/Cognizance/pull/new/1stbranch
```

```
remote:
```

```
To https://github.com/CHARISHMA-LOTTI/Cognizance.git
```

```
* [new branch]      1stbranch -> 1stbranch
```

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/cognizance (main)
```

```
$ git branch
```

```
1stbranch
```

```
* main
```

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/cognizance (main)
```

```
$ |
```

- Git checkout :
- Replaces the current working files with files from a branch

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/cognizance (main)
```

```
$ git add task1
```

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/cognizance (main)
```

```
$ git status
```

```
On branch main
```

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

```
Changes to be committed:
```

```
(use "git restore --staged <file>..." to unstage)
```

```
new file:   task1
```

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/cognizance (main)
```

```
$ git checkout -b 2ndbranch
```

```
Switched to a new branch '2ndbranch'
```

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/cognizance (2ndbranch)
```

```
$
```

- Git checkout -b :
- Creates a new local branch from the current branch's tip

```
MINGW64:/c/Users/gnyan/documents

gnyan@LAPTOP-AP1PIUAN MINGW64 ~ (main)
$ cd documents

gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents (main)
$ git clone https://github.com/CHARISHMA-LOTTI/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents (main)
$
```

Git clone : clone an existing repository into a new directory

```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents/cognizance (main)
$ git branch
 1stbranch
* main

gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   task1

gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents/cognizance (main)
$ git commit
[main a2fc553] task1
 1 file changed, 3 insertions(+)
 create mode 100644 task1

gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents/cognizance (main)
$ |
```

- Git commit :
- commits staged changes to a local branch

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/Cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   task1

mchan@LAPTOP-JFCK0A2K MINGW64 ~/Cognizance (main)
$ git commit -a
[main 67f6faa] it -a
 1 file changed, 1 insertion(+)
 create mode 100644 task1

mchan@LAPTOP-JFCK0A2K MINGW64 ~/Cognizance (main)
$ |
```

- 
- Git commit -a :
  - Commits all modified files to a local branch (shorthand for "git add" followed by "git commit" for each modified file).



```
gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents/cognizance (main)
$ git fetch
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), 1.26 KiB | 4.00 KiB/s, done.
From https://github.com/CHARISHMA-LOTTI/Cognizance
   079aa26..cbea7d6  main      -> origin/main

gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents/cognizance (main)
$ |
```

Git fetch :  
Downloads changes from a remote repository into the local clone

MINGW64:/c/Users/gnyan/documents/cognizance

gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents/cognizance (main)

\$ git merge

Merge made by the 'ort' strategy.

file1 | 2 ++

file2 | 2 ++

2 files changed, 4 insertions(+)


create mode 100644 file1

create mode 100644 file2

gnyan@LAPTOP-AP1PIUAN MINGW64 ~/documents/cognizance (main)

\$ |

Git merge :  
Merges files  
from a given  
branch into the  
current branch

 MINGW64:/c/Users/mchan/documents/cognizance

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
```

```
$ git pull
```

```
Already up to date.
```

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
```

```
$ |
```

- Git pull : Fetches remote changes on the current branch into the local clone , and merges them into the current working files .

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
```

```
$ git checkout 2ndbranch
```

```
Switched to branch '2ndbranch'
```

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (2ndbranch)
```

```
$ git push origin 2ndbranch
```

```
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
```

```
remote:
```

```
remote: Create a pull request for '2ndbranch' on GitHub by visiting:
```

```
remote:      https://github.com/CHARISHMA-LOTTI/Cognizance/pull/new/2ndbranch
```

```
remote:
```

```
To https://github.com/CHARISHMA-LOTTI/Cognizance.git
```

```
  * [new branch]      2ndbranch -> 2ndbranch
```

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (2ndbranch)
```

```
$ git branch
```

```
  1stbranch
```

```
* 2ndbranch
```

```
  main
```

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (2ndbranch)
```

```
$ |
```

Git push : uploads changes from all local branches to the respective remote repositories

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ vi doc1

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ vi doc2

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    doc1
    doc2
    test1

nothing added to commit but untracked files present (use "git add" to track)

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git add *
warning: LF will be replaced by CRLF in doc1.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in doc2.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test1.
The file will have its original line endings in your working directory

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   doc1
    new file:   doc2
    new file:   test1

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git reset HEAD doc1

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ |
```

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   doc2
    new file:   test1

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    doc1
```

**Git reset : Makes the current branch point to some specific revision or branch**

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)



nothing to commit, working tree clean

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git rebase main
Current branch main is up to date.

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ git rebase 1stbranch
Current branch main is up to date.


mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ |
```

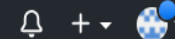
Git rebase :  
Integrates changes  
from one branch  
into another. It is an  
alternative to the  
better known  
“merge” command



Git Fork : Fork will create a copy of the repository in your GitHub account so that you can make changes to the project.

Here I edited the file from CHARISHMA-LOTTI account by using fork into the account CHARISHMA-L



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## Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).



base repository: CHARISHMA-L/hobbit

base: main



head repository: CHARISHMA-LOTTI/hobbit

compare: patch-1

✓ **Able to merge.** These branches can be automatically merged.

Discuss and review the changes in this comparison with others. [Learn about pull requests](#)

[Create pull request](#)

1 commit

1 file changed

1 contributor



Commits on Feb 15, 2022

Update gandalf



CHARISHMA-LOTTI committed now

Verified



1cefb8c



Showing 1 changed file with 1 addition and 0 deletions.

Split

Unified



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## Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).



base repository: CHARISHMA-L/hobbit

base: main



head repository: CHARISHMA-LOTTI/hobbit

compare: patch-1

✓ **Able to merge.** These branches can be automatically merged.



Write

Preview

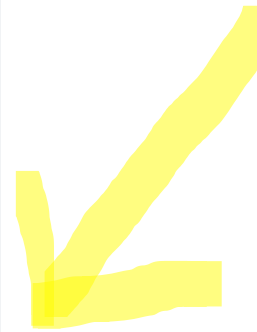
[H](#) [B](#) [I](#) [≡](#) [<>](#) [🔗](#) [⋮](#) [⋮](#) [☑](#) [@](#) [📎](#) [↶](#)

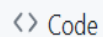
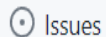
Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

☒ **Allow edits by maintainers** [?](#)[Create pull request](#)

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#1 opened 1 minute ago by CHARISHMA-LOTTI



**ProTip!** Ears burning? Get @CHARISHMA-L mentions with [mentions:CHARISHMA-L](#).



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## Update gandalf #1

Merged

CHARISHMA-L merged 1 commit into [CHARISHMA-L:main](#) from [CHARISHMA-LOTTI:patch-1](#) 3 minutes ago

[Conversation](#) 0

[Commits](#) 1

[Checks](#) 0

[Files changed](#) 1



CHARISHMA-LOTTI commented 6 minutes ago

Contributor



No description provided.



Update gandalf

Verified

1cefb8c



CHARISHMA-L merged commit `b5f57c5` into [CHARISHMA-L:main](#) 3 minutes ago

Revert

```
mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ 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/mchan/.gitconfig user.name=charishma lotti
file:C:/Users/mchan/.gitconfig user.email=CH.EN.U4CYS21010@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/CHARISHMA-LOTTI/Cognizance.git
file:.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
file:.git/config branch.main.remote=origin
file:.git/config branch.main.merge=refs/heads/main
file:.git/config branch.1stbranch.remote=origin
file:.git/config branch.1stbranch.merge=refs/heads/1stbranch

mchan@LAPTOP-JFCK0A2K MINGW64 ~/documents/cognizance (main)
$ |
```

# Git config - -list --show- origin

**The end**