

# COGNIZANCE TASK-1

## GIT AND GITHUB

Repository link:

[swethasamy/Cognizance2020 \(github.com\)](https://github.com/swethasamy/Cognizance2020)

Git Basic Commands:

git version

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~  
$ git --version  
git version 2.29.2.windows.2
```

git clone

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3 (master)  
$ git clone http://github.com/swethasamy/Cognizance2020  
Cloning into 'Cognizance2020'...  
warning: redirecting to https://github.com/swethasamy/Cognizance2020/  
remote: Enumerating objects: 6, done.  
remote: Counting objects: 100% (6/6), done.  
remote: Compressing objects: 100% (3/3), done.  
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0  
Receiving objects: 100% (6/6), done.
```

Git add, git status

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3 (master)  
$ start Task3  
The system cannot find the file Task3.  
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3 (master)  
$ cd Cognizance2020  
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)  
$ git add Task3  
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)  
$ start Task3  
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)  
$ git add .  
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (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)  
    modified:   Task3
```

## Git commit, git push

MINGW64:/c/Users/swetha s/Documents/Cognizance2020/Task3/Cognizance2020

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git commit
[main c15229e] added black change 1
1 file changed, 1 insertion(+)

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git push
warning: redirecting to https://github.com/swethasamy/Cognizance2020/
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 312 bytes | 312.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To http://github.com/swethasamy/Cognizance2020
2e1b2da..c15229e main -> main
```

## Git checkout, git commit

MINGW64:/c/Users/swetha s/Documents/Cognizance2020/Task3/Cognizance2020

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git checkout -b "branch1"
Switched to a new branch 'branch1'

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ start Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git add Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git status
On branch branch1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git commit -a
[branch1 fc52d4e] added white
1 file changed, 2 insertions(+)

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git push
warning: redirecting to https://github.com/swethasamy/Cognizance2020/
Everything up-to-date

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git checkout branch1
Switched to branch 'branch1'

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git status
On branch branch1
nothing to commit, working tree clean

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git push
fatal: The current branch branch1 has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin branch1

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git push --set-upstream origin branch1

warning: redirecting to https://github.com/swethasamy/Cognizance2020/
Enumerating objects: 5, done.
```

## Git merge, git pull ,git push

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git push --set-upstream origin branch1

warning: redirecting to https://github.com/swethasamy/Cognizance2020/
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 318 bytes | 318.00 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/swethasamy/Cognizance2020/pull/new/branch1
remote:
To http://github.com/swethasamy/Cognizance2020
 * [new branch]      branch1 -> branch1
Branch 'branch1' set up to track remote branch 'branch1' from 'origin'.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git pull
warning: redirecting to https://github.com/swethasamy/Cognizance2020/
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), 694 bytes | 36.00 KiB/s, done.
From http://github.com/swethasamy/Cognizance2020
   c15229e..9165fa6  main       -> origin/main
Updating c15229e..9165fa6
Fast-forward
 Task3 | 2 ++
 1 file changed, 2 insertions(+)

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git checkout branch1
Switched to branch 'branch1'
Your branch is up to date with 'origin/branch1'.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git merge branch1
Already up to date.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
```

## Git restore ,git reset ,git commit -

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git merge branch1
Already up to date.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ start Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   Task3

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

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git add Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (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)
        modified:   Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git reset Task3
Unstaged changes after reset:
M       Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   Task3

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

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ |
```



MINGW64/c/Users/swetha s/Documents/Cognizance2020/Task3/Cognizance2020

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git pull
warning: redirecting to https://github.com/swethasamy/Cognizance2020/
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), 694 bytes | 36.00 KiB/s, done.
From http://github.com/swethasamy/Cognizance2020
   c15229e..9165fa6  main       -> origin/main
Updating c15229e..9165fa6
Fast-forward
 Task3 | 2 ++
 1 file changed, 2 insertions(+)

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git checkout branch1
Switched to branch 'branch1'
Your branch is up to date with 'origin/branch1'.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git merge branch1
Already up to date.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (branch1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ start Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   Task3

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

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (main)
$ git add Task3

swetha s@LAPTOP-G0IL6VA9 MINGW64 ~/Documents/Cognizance2020/Task3/Cognizance2020 (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)
        modified:   Task3
```

## Git config list command

```
swetha s@LAPTOP-G0IL6VA9 MINGW64 ~
$ 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.usehttp
path=true
file:C:/Users/swetha s/.gitconfig user.name=swethasamy
file:C:/Users/swetha s/.gitconfig user.email=swesam1012@gmail.com
```