

TASK-1

git config --list --show-origin

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (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/sachi/.gitconfig user.name=sachin kumar
file:C:/Users/sachi/.gitconfig user.email=sachin749695@gmail.com
file:C:/Users/sachi/.gitconfig user.password=
file:C:/Users/sachi/.gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/sachi/.gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Users/sachi/.gitconfig filter.lfs.required=true
file:C:/Users/sachi/.gitconfig filter.lfs.clean=git-lfs clean -- %f
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/sachin749695/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
```

GIT ADD:

```
sachi@LAPTOP-92GR96SD MINGW64 /e/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)
    Task-1/Palindrome.py

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

sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance (main)
$ git add Palindrome.py
fatal: pathspec 'Palindrome.py' did not match any files

sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance (main)
$ cd Task-1

sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (main)
$ git add Palindrome.py

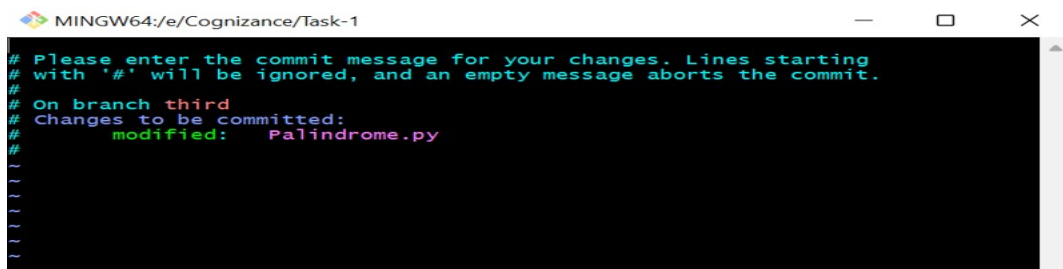
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

GIT COMMIT -m

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (main)
$ git commit -m 'changes'
[main a5421e0] changes
1 file changed, 12 insertions(+)
create mode 100644 Task-1/Palindrome.py
```

GIT COMMIT -a



```
MINGW64:/e/Cognizance/Task-1
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch third
#
# Changes to be committed:
#   modified:   Palindrome.py
#
~
~
~
~
~
~
~
```

GIT CHECKOUT -b:

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (main)
$ git checkout -b 'second'
Switched to a new branch 'second'
```

GIT CHECKOUT:

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (second)
$ git checkout third
Switched to branch 'third'
```

GIT PUSH

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (main)
$ git push
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 465 bytes | 465.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/sachin749695/Cognizance.git
   8dd5b7f..a5421e0  main -> main
```

GIT CLONE:

```
sachi@LAPTOP-92GR96SD MINGW64 ~/OneDrive/Desktop/New folder (2) (master)
$ git clone https://github.com/sachin749695/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 18, done.
remote: Counting objects: 100% (18/18), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 18 (delta 0), reused 4 (delta 0), pack-reused 0
Receiving objects: 100% (18/18), done.
```

GIT COMMIT:

MINGW64:/e/Cognizance/Task-1

```
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch third
# Changes to be committed:
#   modified:   Palindrome.py
#
~
~
~
~
~
~
```

GIT RESET:

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (second)
$ git reset --soft 8dd5b7fa03776737c9198044e188dd91447b7a5a

sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (second)
$ git log
commit 8dd5b7fa03776737c9198044e188dd91447b7a5a (HEAD -> second)
Author: sachin749695 <75233195+sachin749695@users.noreply.github.com>
Date:   Fri Jun 10 14:42:59 2022 +0530

    Create text

commit 649b4936274f61ce35858eceddd6483b616043693
Author: sachin749695 <75233195+sachin749695@users.noreply.github.com>
Date:   Fri Jun 10 14:41:57 2022 +0530

    Delete Task-1

commit b68511f66fe164679ba2329e30ec5b9c74faee85
Author: sachin749695 <75233195+sachin749695@users.noreply.github.com>
Date:   Fri Jun 10 14:41:31 2022 +0530

    Create Task-1

commit 454ecd0fe9c11d62711e9d5d4fc45e3ac8310523
Author: sachin749695 <75233195+sachin749695@users.noreply.github.com>
Date:   Fri Jun 10 14:37:34 2022 +0530

    Initial commit
```

GIT FETCH:

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (second)
$ git fetch origin
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 725 bytes | 29.00 KiB/s, done.
From https://github.com/sachin749695/Cognizance
a79443f..ea82adb  main    -> origin/main
```

GIT PULL:

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (second)
$ git pull origin main
From https://github.com/sachin749695/Cognizance
* branch          main          -> FETCH_HEAD
Updating 8dd5b7f..ea82adb
Fast-forward
 Task-1/Palindrome.py | 12 ++++++++
 Task-1/add_two_number | 10 ++++++++
 Task-1/text          |  2 +-
3 files changed, 23 insertions(+), 1 deletion(-)
create mode 100644 Task-1/Palindrome.py
create mode 100644 Task-1/add_two_number
```

GIT REBASE :

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (main)
$ git rebase main
Current branch main is up to date.

sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (main)
$ git log -2
commit a9bbbb8aacbb4c91cff9fd84e992bb068644aef6 (HEAD -> main)
Author: sachin kumar <sachin749695@gmail.com>
Date:   Fri Jun 10 22:35:16 2022 +0530

    add

commit ea82adb66733519047966e54d569e0b0d534029a (origin/main, origin/HEAD, second)
Author: sachin749695 <75233195+sachin749695@users.noreply.github.com>
Date:   Fri Jun 10 22:21:37 2022 +0530

    Update text
```

GIT FORK:

Create a new fork

A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

No more forks can be created. These forks already exist:

 [sachin749695/CodeHelp-DSA-Busted-Series](#)

[View all existing forks](#)

GIT MERGE :

```
sachi@LAPTOP-92GR96SD MINGW64 /e/Cognizance/Task-1 (main)  
$ git merge origin/main  
Already up to date.
```