GIT ADD

```
MINGW64:/c/Users/Welcome/Desktop/git_projects/task-1

Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ git add sample_doc.txt

Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/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:   sample_doc.txt


Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$
```

GIT CHECKOUT

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (new_branch)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
```

GIT CHECKOUT -B

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ git checkout -b new_branch
Switched to a new branch 'new_branch'
```

GIT CLONE

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop
$ git clone https://github.com/Sandeep-Vigneshwar/task-1.git
Cloning into 'task-1'...
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.
```

GIT COMMIT

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ git commit
hint: Waiting for your editor to close the file... unix2dos: converting file C:/Users/Welcome/Desktop/git_projects/task-1/.git/COMMIT_EDITMSG to DOS format...
dos2unix: converting file C:/Users/Welcome/Desktop/git_projects/task-1/.git/COMMIT_EDITMSG to Unix format...
[main ea33b4d] commiting a new file
 1 file changed, 1 insertion(+)
 create mode 100644 sample_doc.txt

Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (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

Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ |
```

GIT COMMIT -A

```
$ 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:   sample_doc.txt

Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ git commit -a
hint: Waiting for your editor to close the file... unix2dos: converting file C:/Users/Welcome/Desktop/git_projects/task-1/.git/COMMIT_EDITMSG to DOS format...
dos2unix: converting file C:/Users/Welcome/Desktop/git_projects/task-1/.git/COMMIT_EDITMSG to Unix format...
[main 41edbb5] added extra lines
 1 file changed, 2 insertions(+), 1 deletion(-)

Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
```

GIT FETCH

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/task-1 (main)
$ git fetch https://github.com/Sandeep-Vigneshwar/task-1.git
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 0), reused 6 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), 591 bytes | 1024 bytes/s, done.
From https://github.com/Sandeep-Vigneshwar/task-1
 * branch            HEAD       -> FETCH_HEAD
```

GIT MERGE

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ git merge new_branch
Updating 41edbb5..0699c8d
Fast-forward
 sample_doc.txt | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)
```

GIT PULL

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/task-1 (main)
$ git pull
From https://github.com/Sandeep-Vigneshwar/task-1
   ed6d9a3..41edbb5  main          -> origin/main
Updating ed6d9a3..41edbb5
Fast-forward
 sample_doc.txt | 2 ++
 1 file changed, 2 insertions(+)
 create mode 100644 sample_doc.txt
```

GIT PUSH

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 2 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 611 bytes | 101.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Sandeep-Vigneshwar/task-1.git
   ed6d9a3..41edbb5  main -> main
```

GIT RESET

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (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:   sample_doc.txt

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

Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (main)
$ git reset HEAD sample_doc.txt
Unstaged changes after reset:
M       sample_doc.txt
```

GIT REBASE

```
Welcome@DESKTOP-5PT5IG8 MINGW64 ~/Desktop/git_projects/task-1 (new_branch)
$ git rebase main
Successfully rebased and updated refs/heads/new_branch.
```

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. View existing forks.

Required fields are marked with an asterisk (*).

Owner *
Sandeep-Vigneshwar ▾

/ Repository name *
PT-1

✔ PT-1 is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)

☑ Copy the `main` branch only
Contribute back to cognizance-amrita/PT-1 by adding your own branch. Learn more.

ⓘ You are creating a fork in your personal account.

Create fork