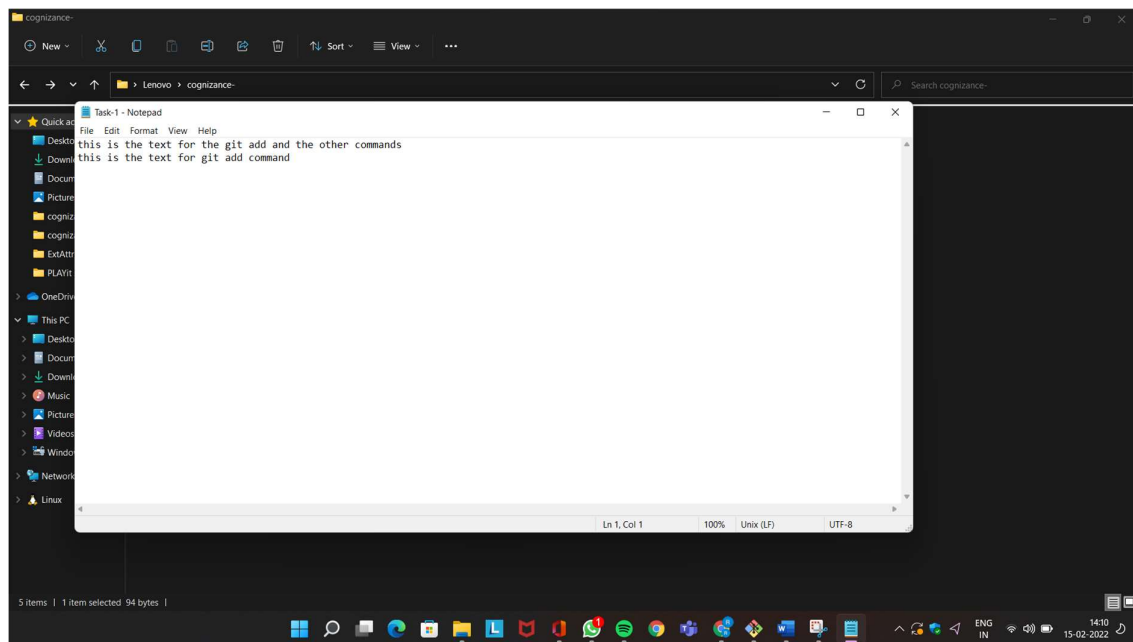


```
MINGW64~/Users/Lenovo/cognizance-
lenovo@ghost MINGW64 ~/cognizance- (main)
$ ls
README.md one/ one.txt
lenovo@ghost MINGW64 ~/cognizance- (main)
$ mkdir Task-1
lenovo@ghost MINGW64 ~/cognizance- (main)
$ ls
README.md Task-1/ one/ one.txt
lenovo@ghost MINGW64 ~/cognizance- (main)
$ nano Task-1.txt
lenovo@ghost MINGW64 ~/cognizance- (main)
$ ls
README.md Task-1/ Task-1.txt one/ one.txt
lenovo@ghost MINGW64 ~/cognizance- (main)
$
```

Created a file



Added a new statement in a file

Git add command

```
MINGW64~/c/Users/lenovo/cognizance-
README.md one/ one.txt

lenovo@ghost:~/cognizance- (main)
$ mkdir Task-1
lenovo@ghost:~/cognizance- (main)
$ ls
README.md Task-1/ one/ one.txt
lenovo@ghost:~/cognizance- (main)
$ nano Task-1.txt
lenovo@ghost:~/cognizance- (main)
$ ls
README.md Task-1/ Task-1.txt one/ one.txt
lenovo@ghost:~/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.txt

nothing added to commit but untracked files present (use "git add" to track)
lenovo@ghost:~/cognizance- (main)
$ git add Task-1
lenovo@ghost:~/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.txt

nothing added to commit but untracked files present (use "git add" to track)
lenovo@ghost:~/cognizance- (main)
$ git add Task-1.txt
warning: LF will be replaced by CRLF in Task-1.txt.
The file will have its original line endings in your working directory
lenovo@ghost:~/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:   Task-1.txt

lenovo@ghost:~/cognizance- (main)
$ |
```

Git commit and git acommit-a

```
MINGW64~/c/Users/lenovo/cognizance-
lenovo@ghost:~/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:   Task-1.txt

lenovo@ghost:~/cognizance- (main)
$ git commit -m "this is command line for git commit"
[main 5c4f1ca] this is command line for git commit
1 file changed, 3 insertions(+)
create mode 100644 Task-1.txt
lenovo@ghost:~/cognizance- (main)
$ ls
README.md Task-1/ Task-1.txt one/ one.txt
lenovo@ghost:~/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
lenovo@ghost:~/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:   Task-1.txt

no changes added to commit (use "git add" and/or "git commit -a")
lenovo@ghost:~/cognizance- (main)
$ git commit -a
warning: LF will be replaced by CRLF in Task-1.txt.
The file will have its original line endings in your working directory
[main 39ec9a7] this is the command for git commit
1 file changed, 1 insertion(+), 1 deletion(-)
lenovo@ghost:~/cognizance- (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
lenovo@ghost:~/cognizance- (main)
$
```

Git push command

```
nothing to commit, working tree clean

Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 693 bytes | 346.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Ranganathkotta/cognizance-.git
  7078b53..39ec9a7  main -> main
```

 main cognizance- / Task-1.txt

 **Ranganathkotta** this is the command for git commit Latest commit

 1 contributor

3 lines (3 sloc) | 132 Bytes

- 1 this is the text for the git add and the other commands
- 2 this is the text for git add command
- 3 this is command line for git commit -b

Git fetch

4 lines (4 sloc) | 162 Bytes

- 1 this is the text for the git add and the other commands
- 2 this is the text for git add command
- 3 this is command line for git commit -b
- 4 this is command for git fetch

Git pull

```
MINGW64/c:/Users/Lenovo/cognizance-
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 693 bytes | 346.00 KiB/s, done.
Total 6 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Ranganathkotta/cognizance-.git
  7078b53..39ec9a7  main -> main

Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git fetch
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git pull
Already up to date.

Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git fetch
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 744 bytes | 43.00 KiB/s, done.
From https://github.com/Ranganathkotta/cognizance-
  39ec9a7..e922859  main -> origin/main

Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git status
On branch main
Your branch is behind 'origin/main' by 1 commit, and can be fast-forwarded.
  (use "git pull" to update your local branch)

nothing to commit, working tree clean

Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 745 bytes | 31.00 KiB/s, done.
From https://github.com/Ranganathkotta/cognizance-
  e922859..e427d6d  main -> origin/main
Updating 39ec9a7..e427d6d
Fast-forward
 Task-1.txt | 2 ++
 1 file changed, 2 insertions(+)

Lenovo@Ghost MINGW64 ~/cognizance- (main)
$
```

```
Task-1 - Notepad
File Edit Format View Help
this is the text for the git add and the other commands
this is the text for git add command
this is command line for git commit -b
this is command for git fetch
this is command for git pull
```

```
1 contributor

5 lines (5 sloc) 191 Bytes

1 this is the text for the git add and the other commands
2 this is the text for git add command
3 this is command line for git commit -b
4 this is command for git fetch
5 this is command for git pull
```

Git checkout -b

```
nothing to commit, working tree clean
lenovo@ghost MINGW64 ~/cognizance- (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 745 bytes | 31.00 KiB/s, done.
From https://github.com/Ranganathkotta/cognizance-
   e922859..e427d6d  main    -> origin/main
Updating 39ec9a7..e427d6d
Fast-forward
 Task-1.txt | 2 ++
 1 file changed, 2 insertions(+)
lenovo@ghost MINGW64 ~/cognizance- (main)
$ git checkout alpha
error: pathspec 'alpha' did not match any file(s) known to git
lenovo@ghost MINGW64 ~/cognizance- (main)
$ git checkout beta
error: pathspec 'beta' did not match any file(s) known to git
lenovo@ghost MINGW64 ~/cognizance- (main)
$ git branch
* main
lenovo@ghost MINGW64 ~/cognizance- (main)
$ git checkout -b alpha
Switched to a new branch 'alpha'
lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ mkdir alpha
lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ ls
README.md Task-1/ Task-1.txt alpha/ one/ one.txt
lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ nano alpha..txt
lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ ls
README.md Task-1/ Task-1.txt alpha/ alpha..txt one/ one.txt
lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ |
```

alpha. - Notepad

File Edit Format View Help

this is command for git checkout -b

alpha.	15-02-2022 14:39	Text Document	1 KB
one	15-02-2022 12:02	Text Document	1 KB
README	15-02-2022 12:00	MD File	1 KB
Task-1	15-02-2022 14:32	Text Document	1 KB

Git checkout

```
MINGW64~/c/Users/Lenovo/cognizance-
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1); reused 0 (delta 0); pack-reused 0
Unpacking objects: 100% (3/3), 745 bytes | 31.00 KiB/s, done.
From https://github.com/Ranganathkotta/cognizance-
   e922859..e427d6d  main    -> origin/main
Updating 35ec9a7..e427d6d
Fast-forward
 Task-1.txt | 2 ++
 1 file changed, 2 insertions(+)
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git checkout alpha
error: pathspec 'alpha' did not match any file(s) known to git
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git checkout beta
error: pathspec 'beta' did not match any file(s) known to git
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git branch
* main
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git checkout -b alpha
Switched to a new branch 'alpha'
Lenovo@Ghost MINGW64 ~/cognizance- (alpha)
$ mkdir alpha
Lenovo@Ghost MINGW64 ~/cognizance- (alpha)
$ ls
README.md Task-1/ Task-1.txt alpha/ one/ one.txt
Lenovo@Ghost MINGW64 ~/cognizance- (alpha)
$ nano alpha.txt
Lenovo@Ghost MINGW64 ~/cognizance- (alpha)
$ ls
README.md Task-1/ Task-1.txt alpha/ alpha.txt one/ one.txt
Lenovo@Ghost MINGW64 ~/cognizance- (alpha)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ |
```

git merge command

```
MINGW64~/c/Users/Lenovo/cognizance-
merge
Lenovo@Ghost MINGW64 ~/cognizance-/alpha (main)
$ git merge main
Already up to date.
Lenovo@Ghost MINGW64 ~/cognizance-/alpha (main)
$ cd
Lenovo@Ghost MINGW64 ~
$ git cognizance-
git: 'cognizance-' is not a git command. See 'git --help'.
Lenovo@Ghost MINGW64 ~
$ git cognizance-/
git: 'cognizance-/ ' is not a git command. See 'git --help'.
Lenovo@Ghost MINGW64 ~
$ cd cognizance-/
bash: cd: cognizance-/: No such file or directory
Lenovo@Ghost MINGW64 ~
$ cd cognizance-/
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git checkout alpha
Switched to branch 'alpha'
A
 alpha/alpha.txt
Lenovo@Ghost MINGW64 ~/cognizance- (alpha)
$ git commit -m "this is command for git merge"
[alpha 1af337e] this is command for git merge
1 file changed, 2 insertions(+)
 create mode 100644 alpha/alpha.txt
Lenovo@Ghost MINGW64 ~/cognizance- (alpha)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ git merge alpha
Merge made by the 'ort' strategy.
 alpha/alpha.txt | 2 ++
 1 file changed, 2 insertions(+)
 create mode 100644 alpha/alpha.txt
Lenovo@Ghost MINGW64 ~/cognizance- (main)
$ |
```

Git reset

```
MINGW64~/c/Users/Lenovo/cognizance-
On branch alpha
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:   Task-1.txt

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

lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ git add Task-1.txt

lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ git reset Task-1.txt
Unstaged changes after reset:
M       Task-1.txt

lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ git status
On branch alpha
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:   Task-1.txt

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

lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ git add Task-1.txt

lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ git status
On branch alpha
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   Task-1.txt

lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ git reset Task-1.txt
Unstaged changes after reset:
M       Task-1.txt

lenovo@ghost MINGW64 ~/cognizance- (alpha)
$ git status
On branch alpha
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:   Task-1.txt

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

lenovo@ghost MINGW64 ~/cognizance- (alpha)
$
```

Git rebase

```
MINGW64~/c/Users/Lenovo/cognizance-/alpha
$ git add alpha.txt

lenovo@ghost MINGW64 ~/cognizance-/alpha (main)
$ git rebase alpha.txt
fatal: invalid upstream 'alpha.txt'

lenovo@ghost MINGW64 ~/cognizance-/alpha (main)
$ git rebase alpha
git: 're' is not a git command. See 'git --help'.

The most similar commands are
    rebase
    reset
    restore
    grep
    rm

lenovo@ghost MINGW64 ~/cognizance-/alpha (main)
$ git rebase alpha
error: cannot rebase: Your index contains uncommitted changes.
error: Please commit or stash them.

lenovo@ghost MINGW64 ~/cognizance-/alpha (main)
$ git checkout alpha
Switched to branch 'alpha'
   Task-1.txt
   alpha/alpha.txt

lenovo@ghost MINGW64 ~/cognizance-/alpha (alpha)
$ git status
On branch alpha
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   ../Task-1.txt
        modified:   alpha.txt

lenovo@ghost MINGW64 ~/cognizance-/alpha (alpha)
$ git commit -m "this git rebase"
[alpha d270544] this git rebase
 2 files changed, 2 insertions(+), 1 deletion(-)

lenovo@ghost MINGW64 ~/cognizance-/alpha (alpha)
$ git status
On branch alpha
nothing to commit, working tree clean

lenovo@ghost MINGW64 ~/cognizance-/alpha (alpha)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

lenovo@ghost MINGW64 ~/cognizance-/alpha (main)
$ git rebase alpha
Successfully rebased and updated refs/heads/main.

lenovo@ghost MINGW64 ~/cognizance-/alpha (main)
$
```

```
lenovo@Ghost MINGW64 ~/cognizance-/alpha (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/Lenovo/.gitconfig user.email=ranganathkotta1444@gmail.com
file:C:/Users/Lenovo/.gitconfig user.name=Ranganathkotta
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/Ranganathkotta/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
```