1. Create a directory ‘project\_dir’ & cd to ‘project\_dir’.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ mkdir project\_dir

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ cd project\_dir

1. Initialize git version database. (git init)

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (yes)

$ git init

Initialized empty Git repository in C:/Users/Dell/Desktop/my/project\_dir/.git/

1. Create a new file index.html.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ touch index.html

1. Check the git status. You should find index.html as untracked file.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git status

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

index.html

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

5 .Stage the index.html file.

$ git add index.html

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: index.html

6 Commit index.html

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git commit -m 'Commited'

[master (root-commit) c09a9d7] Commited

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 index.html

1. Make few changes in index.html & create a new file info.txt file.

$ git status

On branch master

Changes to be committed:

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

deleted: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

index.html

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ touch info.txt

1. Check git status. You should find index.html & info.txt as untracked files.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git status

On branch master

Changes to be committed:

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

deleted: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

index.html

info.txt

1. Configure GIT to ignore all txt files.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ touch .gitignore

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git status

On branch master

Changes to be committed:

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

deleted: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

index.html

10.Again check the git status. You should find only index.html as untracked file.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git status

On branch master

Changes to be committed:

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

deleted: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

index.html

11.State & commit index.html

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git commit -m "commited Succesfully"

[master 75025a2] commited Succesfully

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 index.html

1. Log all your comments so far.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git log

commit 75025a2dfad1a74a4fb42778202dfd846b4493f2 (HEAD -> master)

Author: priyanka109905 <priyankaborase22@gmail.com>

Date: Mon Oct 25 23:40:57 2021 +0530

commited Succesfully

commit 5a3a551b331858c24aa8acb9fd9ceab177ac356e

Author: priyanka109905 <priyankaborase22@gmail.com>

Date: Mon Oct 25 23:37:21 2021 +0530

commited succesfully

commit c09a9d7b18561d164febd92c8cf8d3dc97d888ad

Author: priyanka109905 <priyankaborase22@gmail.com>

Date: Mon Oct 25 19:10:58 2021 +0530

Commited

13.Make some changes in index.html

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my/project\_dir (master)

$ git status

On branch master

Changes to be committed:

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

deleted: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

index.html

14.Revert the change made in the previous step using git command.Again change index.html.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ git revert

usage: git revert [<options>] <commit-ish>...

or: git revert <subcommand>

--quit end revert or cherry-pick sequence

--continue resume revert or cherry-pick sequence

--abort cancel revert or cherry-pick sequence

--skip skip current commit and continue

--cleanup <mode> how to strip spaces and #comments from message

-n, --no-commit don't automatically commit

-e, --edit edit the commit message

-s, --signoff add a Signed-off-by trailer

-m, --mainline <parent-number>

select mainline parent

--rerere-autoupdate update the index with reused conflict resolution if possible

--strategy <strategy>

merge strategy

-X, --strategy-option <option>

option for merge strategy

-S, --gpg-sign[=<key-id>]

GPG sign commit

1. Again change index.html.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ git revert index.html

fatal: bad revision 'index.html'

1. Stage index.html

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ git status

On branch yes

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: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

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

17 Revert back the last stage.

$ git restore --staged index.html

On branch yes

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: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

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

18 .Rename ‘add’ command to ‘my-add’.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ git config --global alias.my-add add

19.Using my\_add command Stage index.html again & commit the changes.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ git my-add index.html

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ git status

On branch yes

Changes to be committed:

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

modified: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

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Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ git commit -m "commited"

[yes 7a16af5] commited

1 file changed, 2 insertions(+), 1 deletion(-)

1. Revert the last commit.

Dell@DESKTOP-6UE92PJ MINGW64 ~/Desktop/my (yes)

$ git revert

usage: git revert [<options>] <commit-ish>...

or: git revert <subcommand>

--quit end revert or cherry-pick sequence

--continue resume revert or cherry-pick sequence

--abort cancel revert or cherry-pick sequence

--skip skip current commit and continue

--cleanup <mode> how to strip spaces and #comments from message

-n, --no-commit don't automatically commit

-e, --edit edit the commit message

-s, --signoff add a Signed-off-by trailer

-m, --mainline <parent-number>

select mainline parent

--rerere-autoupdate update the index with reused conflict resolution if possible

--strategy <strategy>

merge strategy

-X, --strategy-option <option>

option for merge strategy

-S, --gpg-sign[=<key-id>]

GPG sign commit