1. Create a directory ‘project\_dir’ & cd to ‘project\_dir’.
2. Initialize git version database. (git init)
3. Create a new file index.html.
4. Check the git status. You should find index.html as untracked file.
5. Stage the index.html file.
6. Commit index.html

anila@LAPTOP-4TD4DA8U MINGW64 ~

$ mkdir project\_dir

anila@LAPTOP-4TD4DA8U MINGW64 ~

$ cd project\_dir/

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir

$ git init

Initialized empty Git repository in C:/Users/anila/project\_dir/.git/

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ touch index.html

anila@LAPTOP-4TD4DA8U MINGW64 ~/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" totrack)

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git add index.html

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git commit -m 'index.html commited'

[master (root-commit) 39be112] index.html 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.
2. Check git status. You should find index.html & info.txt as untracked files.
3. Configure GIT to ignore all txt files.
4. Again check the git status. You should find only index.html as untracked file.
5. State & commit index.html

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ touch info.txt

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git status

On branch master

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)

info.txt

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

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ touch .gitignore

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git status

On branch master

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)

.gitignore

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

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git add index.html

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git commit -m 'index.html commited as 11'

[master e290e85] index.html commited as 11

1 file changed, 16 insertions(+)

1. Log all your comments so far.
2. Make some changes in index.html.
3. Revert the change made in the previous step using git command.

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git log

commit e290e85b137361e187ab3486beda7aacf6e15ae0 (HEAD -> master)

Author: AnilMarukurti <anilak3011@gmail.com>

Date: Thu Oct 21 18:42:51 2021 +0530

index.html commited as 11

commit 527145aed00a0f0d9a4bbc7529592176b8d6885a

Author: AnilMarukurti <anilak3011@gmail.com>

Date: Thu Oct 21 18:38:03 2021 +0530

index.html commited

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git checkout --.

1. Again change index.html
2. Stage index.html
3. Revert back the last stage
4. Rename ‘add’ command to ‘my-add’.

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git add index.html

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git revert HEAD index.html

fatal: bad revision 'index.html'

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git reset HEAD index.html

Unstaged changes after reset:

M index.html

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git status

On branch master

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)

.gitignored

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

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

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

1. Using my\_add command Stage index.html again & commit the changes
2. Revert the last commit.

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git my-add index.html

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git commit -m 'index.html commited according to steps'

[master be803b0] index.html commited according to steps

1 file changed, 1 insertion(+)

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git log

commit be803b030d75e21ac0d045a4957d4fa6cf098c92 (HEAD -> master)

Author: AnilMarukurti <anilak3011@gmail.com>

Date: Thu Oct 21 20:41:04 2021 +0530

index.html commited according to steps

commit e290e85b137361e187ab3486beda7aacf6e15ae0

Author: AnilMarukurti <anilak3011@gmail.com>

Date: Thu Oct 21 18:42:51 2021 +0530

index.html commited as 11

commit 527145aed00a0f0d9a4bbc7529592176b8d6885a

Author: AnilMarukurti <anilak3011@gmail.com>

Date: Thu Oct 21 18:38:03 2021 +0530

index.html commited

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git reset --soft HEAD^

anila@LAPTOP-4TD4DA8U MINGW64 ~/project\_dir (master)

$ git log

commit e290e85b137361e187ab3486beda7aacf6e15ae0 (HEAD -> master)

Author: AnilMarukurti <anilak3011@gmail.com>

Date: Thu Oct 21 18:42:51 2021 +0530

index.html commited as 11

commit 527145aed00a0f0d9a4bbc7529592176b8d6885a

Author: AnilMarukurti <anilak3011@gmail.com>

Date: Thu Oct 21 18:38:03 2021 +0530

index.html commited