

1 Create a directory 'project_dir' & cd to 'project_dir'.

```
$ mkdir project_dir
valaanus@inlen8520088240 MINGW64 ~
$ cd project_dir
```

2 Initialize git version [database.\(git init\)](#)

```
valaanus@inlen8520088240 MINGW64 ~/project_dir
$ git init
Initialized empty Git repository in C:/Users/valaanus/project_dir/.git/
```

3 Create a new file index.html

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ touch index.html
```

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

```
valaanus@inlen8520088240 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" to track)
```

5 Stage the index.html file.

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git add index.html
```

6 Commit index.html

```

valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git commit -m "added index.html"
[master (root-commit) d9ea348] added index.html
Committer: Anusha <valavala.anusha@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html

```

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

```

valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ touch info.txt

valaanus@inlen8520088240 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")

```

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

```

valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git rm --cached index.html
rm 'index.html'

valaanus@inlen8520088240 MINGW64 ~/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

```

9 Configure GIT to ignore all txt files.

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ touch .gitignore
```

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

```
valaanus@inlen8520088240 MINGW64 ~/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

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git add index.html

valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git commit -m "added index.html"
[master a395e98] added index.html
Committer: Anusha <valavala.anusha@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 8 insertions(+)
```

12 Log all your comments so far.

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git log
commit a395e986a9c24085c99c3608c5cbb0659faa395f (HEAD -> master)
Author: Anusha <valavala.anusha@capgemini.com>
Date: Thu Dec 1 15:25:49 2022 +0530

    added index.html

commit d9ea348b5582cb4039bcf87ef504c4f4054bcd90
Author: Anusha <valavala.anusha@capgemini.com>
Date: Thu Dec 1 12:50:01 2022 +0530

    added index.html
```

13 Make some changes in index.html

```
<!DOCTYPE html>
<html>
<body>

<p> hi iam anusha</p>
<p> hello world</p>

</body>
</html>
```

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

```
valaanus@in1en8520088240 MINGW64 ~/project_dir (master)
$ git restore index.html
```

```
<!DOCTYPE html>
<html>
<body>

<p> hi iam anusha</p>

</body>
</html>
```

15 Again change index.html

```
<!DOCTYPE html>
<html>
<body>

<p> hi iam anusha</p>
<p> working in capgemini</p>
<p> in bengalore

</body>
</html>
```

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git status
On branch master
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)
        .gitignore
```

•

hi iam anusha

working in capgemini

in bengalore

16 *Stage index.html*

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git add index.html
```

17 Revert back the last stage.

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git status
On branch master
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)
        .gitignore
```

18 Rename 'add' command to 'my-add'

```
valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git config --global alias.my-add add
```

19 Using my-add command Stage index.html again & commit the changes.

```

valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git my-add index.html

valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git status
On branch master
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)
        .gitignore

```

20 Revert the last commit.

```

valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git reset --soft HEAD^

valaanus@inlen8520088240 MINGW64 ~/project_dir (master)
$ git status
On branch master
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)
        .gitignore

```

21

22 Create an empty directory 'Assignment' & cd to 'Assignments'

```

valaanus@inlen8520088240 MINGW64 ~
$ mkdir Assignment

valaanus@inlen8520088240 MINGW64 ~
$ cd Assignment

```

23 Create a file README.txt inside 'Assignment' & write few lines about the contents of 'Assignments' folder.

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment
$ touch readme.txt

```

24 Commit README.txt file

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment
$ git init
Initialized empty Git repository in C:/Users/valaanus/assignment/.git/

VALAANUS@inlen8520088240 MINGW64 ~/assignment (master)
$ git add readme.txt

VALAANUS@inlen8520088240 MINGW64 ~/assignment (master)
$ git commit -m "new text file"
[master (root-commit) 9e84d7f] new text file
Committer: Anusha <valavala.anusha@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 readme.txt

```

25 Now create a new branch 'html-assignments'

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment (master)
$ git branch html-assignments

```

26 Switch to 'html-assignments' branch

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

```

27 Copy all HTML assignments inside 'Assignments' folder.

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment (html-assignments)
$ touch readme1.txt

VALAANUS@inlen8520088240 MINGW64 ~/assignment (html-assignments)
$ touch readme2.txt

```

28 Commit HTML assignments into 'html-assignment' branch.

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment (html-assignments)
$ git add .

VALAANUS@inlen8520088240 MINGW64 ~/assignment (html-assignments)
$ git commit -m "committed"
[html-assignments 44b2e6b] committed
Committer: Anusha <valavala.anusha@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 readme1.txt
create mode 100644 readme2.txt

```

31 Switch to master branch

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment (html-assignments)
$ git checkout master
Switched to branch 'master'

```

32 Make minor changes into README.txt file & commit those changes into master.

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment (master)
$ git commit -m 'change readme.txt'
[master 6629648] change readme.txt
Committer: Anusha <valavala.anusha@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

2 files changed, 2 insertions(+)
create mode 100644 readme1.txt
create mode 100644 readme2.txt

```

33 Again switch to 'html-assignments' branch.

```

VALAANUS@inlen8520088240 MINGW64 ~/assignment (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

```

34 Make minor changes into few files belonging to 'html-assignments' branch


```
VALAANUS@inlen8520088240 MINGW64 ~/assignment (html-assignments)
$ vi readmr1.file
```

35 Commit those changes

```
VALAANUS@inlen8520088240 MINGW64 ~/assignment (html-assignments)
$ git commit -m "committed some changes in readme1.txt"
> /"
On branch html-assignments
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:   readme1.txt
        modified:   readme2.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        readmr1.file

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

36 Switch to master

```
VALAANUS@inlen8520088240 MINGW64 ~/assignment (html-assignments)
$ git checkout master
Switched to branch 'master'
```