

1. Create a directory 'project\_dir' & cd to 'project\_dir'.

```
csivapar@inlen8520088028 MINGW64 ~  
$ mkdir project_dir  
  
csivapar@inlen8520088028 MINGW64 ~  
$ cd project_dir
```

2. Initialize git version database. (git init)

```
csivapar@inlen8520088028 MINGW64 ~/project_dir  
$ git init  
Initialized empty Git repository in C:/Users/CSIVAPAR/project_dir/.git/
```

3. Create a new file index.html.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)  
$ touch index.html
```

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

```
csivapar@inlen8520088028 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.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)  
$ git add index.html
```

6. Commit index.html.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)  
$ git commit -m "added index.html"  
[master (root-commit) 525729b] added index.html  
Committer: Siva Parvathi <chinthalapudi.siva-parvathi@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.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ touch info.txt

csivapar@inlen8520088028 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 only index.html & info.txt as untracked file.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git rm --cached index.html
rm 'index.html'

csivapar@inlen8520088028 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.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ touch .gitignore
```

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

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        info.txt

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

## 11. State & commit index.html.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git add index.html

csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git commit -m "added index.html"
[master 42ad79f] added index.html
Committer: Siva Parvathi <chinthalapudi.siva-parvathi@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, 10 insertions(+)
```

## 12. Log all your comments so far.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git log
commit 42ad79fc967b84334bc792b600f1659c161daba1 (HEAD -> master)
Author: Siva Parvathi <chinthalapudi.siva-parvathi@capgemini.com>
Date: Thu Dec 1 15:33:35 2022 +0530

    added index.html

commit 525729b578dcec64addea5ef76a4f3c9df475dc6
Author: Siva Parvathi <chinthalapudi.siva-parvathi@capgemini.com>
Date: Thu Dec 1 14:40:35 2022 +0530

    added index.html
```

## 13. Make some changes in index.html.

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

<h1>Hello</h1>

<p>I am Parvathi Chinthalapudi</p>

</body>
</html>
```

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

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git restore index.html
```

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

<p>I am Parvathi Chinthalapudi</p>

</body>
</html>
```

## 15. Again changes index.html.

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

<p>I am Parvathi Chinthalapudi</p>
<p>Analyst at Capgemini</p>
<p>Ecospace Bangalore</P>

</body>
</html>
```

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        info.txt

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

I am Parvathi Chinthalapudi

Analyst at Capgemini

Ecospace Bangalore

## 16. Stage index.html

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git add index.html
```

17. Revert back the last stage.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        info.txt

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

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

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git config --global alias.my-add add
```

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

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git my-add index.html

csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        info.txt

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

20. Revert the last commit.

```
csivapar@inlen8520088028 MINGW64 ~/project_dir (master)
$ git reset --soft HEAD^

csivapar@inlen8520088028 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
        info.txt
```

21.

22. create an empty directory 'Assignments' and cd to 'Assignments' and cd to 'assignments'.

```
csivapar@inlen8520088028 MINGW64 ~  
$ mkdir assignments  
  
csivapar@inlen8520088028 MINGW64 ~  
$ cd assignments
```

23. create a file readme.txt inside 'assignments' and write few lines about the contents of 'assignments' folder.

```
csivapar@inlen8520088028 MINGW64 ~/assignments  
$ touch readme.txt
```

24. commit readme.txt file.

```
csivapar@inlen8520088028 MINGW64 ~/assignments  
$ git init  
Initialized empty Git repository in C:/Users/CSIVAPAR/assignments/.git/  
  
csivapar@inlen8520088028 MINGW64 ~/assignments (master)  
$ git add readme.txt  
  
csivapar@inlen8520088028 MINGW64 ~/assignments (master)  
$ git commit -m "new text file"  
[master (root-commit) e84bc2d] new text file  
Committer: Siva Parvathi <chinthalapudi.siva-parvathi@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'.

```
csivapar@inlen8520088028 MINGW64 ~/assignments (master)  
$ git branch html-assignments
```

26. switch to html-assignments'.

```
csivapar@inlen8520088028 MINGW64 ~/assignments (master)  
$ git checkout html-assignments  
Switched to branch 'html-assignments'
```

27. copy all HTML assignments inside 'assignments'.

```
csivapar@inlen8520088028 MINGW64 ~/assignments (html-assignments)
$ touch readme1.txt

csivapar@inlen8520088028 MINGW64 ~/assignments (html-assignments)
$ touch readme2.txt
```

28. Commit HTML assignments in to 'html-assignments' branch.

```
csivapar@inlen8520088028 MINGW64 ~/assignments (html-assignments)
$ git add .

csivapar@inlen8520088028 MINGW64 ~/assignments (html-assignments)
$ git commit -m "committed"
[html-assignments ac06fae] committed
Committer: Siva Parvathi <chinthalapudi.siva-parvathi@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, 3 insertions(+)
create mode 100644 readme1.txt
create mode 100644 readme2.txt
```

29.

30.

31. Switch to master branch.

```
csivapar@inlen8520088028 MINGW64 ~/assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
```

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

```

csivapar@inlen8520088028 MINGW64 ~/assignments (master)
$ git commit -m 'change readme.txt'
[master af9fde9] change readme.txt
Committer: Siva Parvathi <chinthalapudi.siva-parvathi@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, 3 insertions(+)
create mode 100644 readme1.txt
create mode 100644 readme2.txt

```

33. Again switch to 'html assignment' branch.

```

csivapar@inlen8520088028 MINGW64 ~/assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

```

34. Make minor changes in to few files belonging to "html-assignments" branch.

```

csivapar@inlen8520088028 MINGW64 ~/assignments (html-assignments)
$ vi readmr1.file

```

35. Commit those changes.

```

csivapar@inlen8520088028 MINGW64 ~/assignments (html-assignments)
$ git commit -m "committed some changes in realme.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.

```

csivapar@inlen8520088028 MINGW64 ~/assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

```

37.

38.