

# Git Assignment

## Section 0

### Q) 1-5

```
DIN35004877+Administrator@DIN35004877 MINGW64 ~
$ mkdir project_dir

DIN35004877+Administrator@DIN35004877 MINGW64 ~
$ cd project_dir

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir
$ git init
Initialized empty Git repository in C:/Users/Administrator/project_dir/.git/

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ touch index.html

DIN35004877+Administrator@DIN35004877 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)

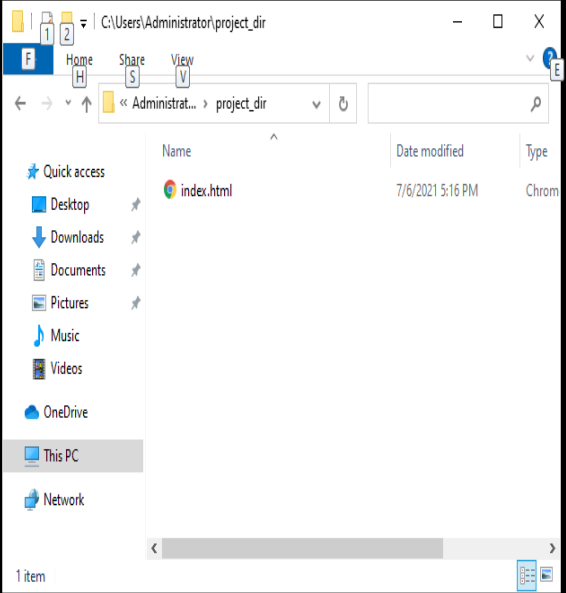
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git add index.html

DIN35004877+Administrator@DIN35004877 MINGW64 ~/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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$
```



## Q) 6-8

```
MINGW64/c/Users/Administrator/project_dir
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git commit -m "Committing Index.html"
[master (root-commit) d03ee61] Committing Index.html
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git status
On branch master
nothing to commit, working tree clean

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ touch info.txt

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        info.txt

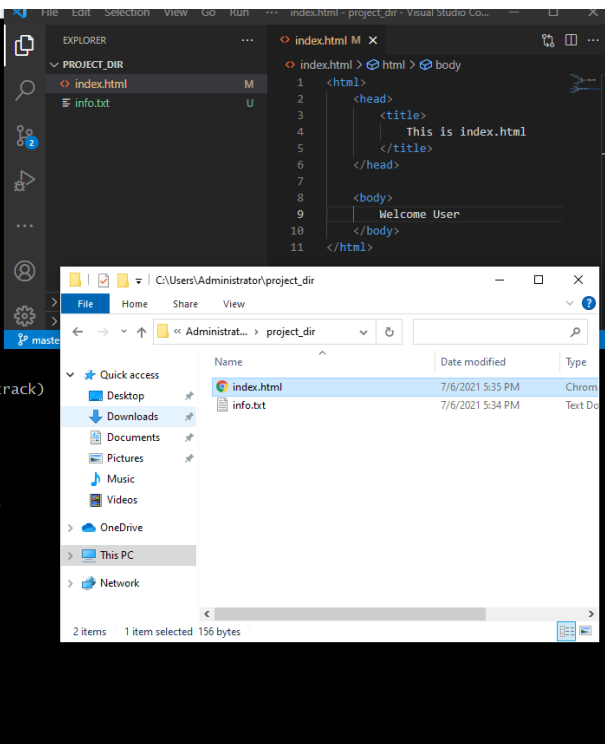
nothing added to commit but untracked files present (use "git add" to track)

DIN35004877+Administrator@DIN35004877 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")

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$
```



## Q) 9-11

```
MINGW64/c/Users/Administrator/project_dir
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ touch .gitignore

DIN35004877+Administrator@DIN35004877 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")

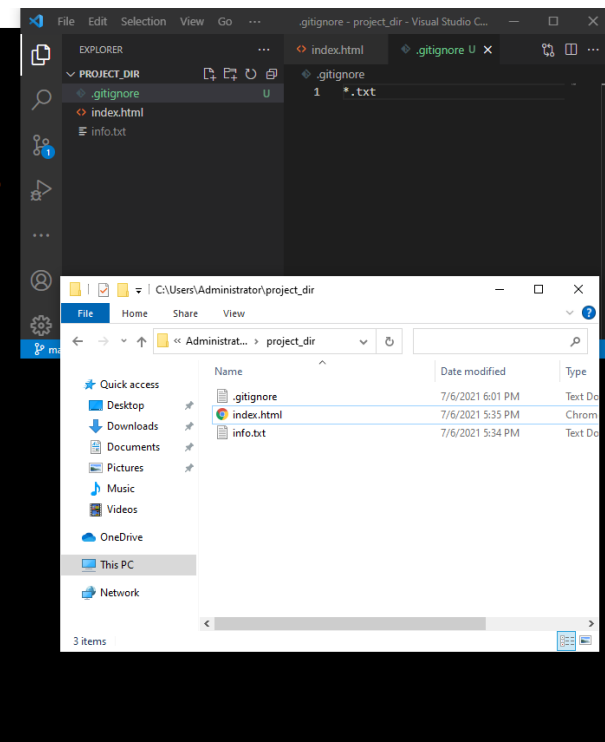
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git add index.html

DIN35004877+Administrator@DIN35004877 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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git commit -m "changing index.html"
[master b513a97] changing index.html
1 file changed, 11 insertions(+), 0 deletions(-)

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$
```



## Q) 12-13

```
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git log
commit b513a9722fa2fad6ea02df9b89501c93ddc45955 (HEAD -> master)
Author: Shinichi-Rishabh <rishabhp097@gmail.com>
Date: Tue Jul 6 18:01:42 2021 +0530

    changing index.html

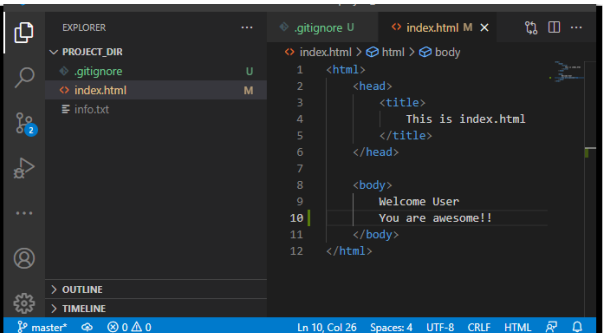
commit d03ee61b201fee584c4e1d74ffc7dc169f008566
Author: Shinichi-Rishabh <rishabhp097@gmail.com>
Date: Tue Jul 6 17:27:34 2021 +0530

    Committing Index.html

DIN35004877+Administrator@DIN35004877 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")
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$
```

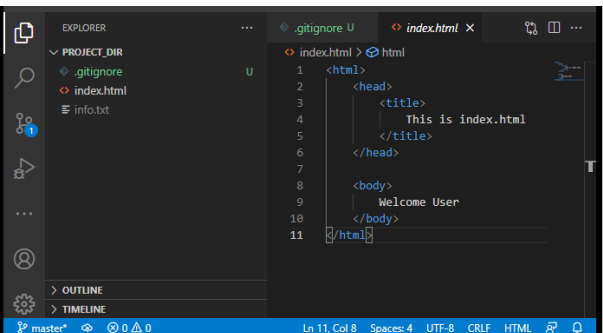


## Q) 14

```
DIN35004877+Administrator@DIN35004877 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")
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git checkout index.html
Updated 1 path from the index
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$
```



## Q) 15-17

```
DIN35004877+Administrator@DIN35004877 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")
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git add index.html

DIN35004877+Administrator@DIN35004877 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

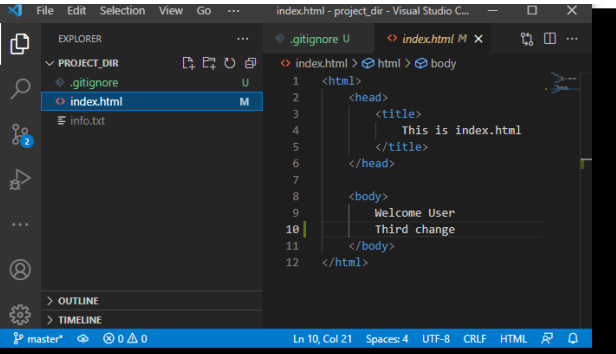
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git restore --staged index.html
error: pathspec 'staged' did not match any file(s) known to git

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git restore --staged index.html

DIN35004877+Administrator@DIN35004877 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")
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$
```



The screenshot shows the Visual Studio Code interface. On the left, the Explorer sidebar shows the file structure with `.gitignore` and `index.html` (marked as modified). The main editor displays the content of `index.html`, which is an HTML document with a title "This is index.html" and a body containing "Welcome User" and "Third change". The status bar at the bottom indicates the current branch is `master` and the file is modified.

## Q) 18-20

```
DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git config --global alias.my-add add

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git my-add index.html
fatal: pathspec 'index.html' did not match any files

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git my-add index.html

DIN35004877+Administrator@DIN35004877 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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git commit -m "changing index.html, and renamed add to my-add"
[master 9ed309f] changing index.html, and renamed add to my-add
1 file changed, 1 insertion(+)

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git reset

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/project_dir (master)
$ git reset --soft HEAD~1

DIN35004877+Administrator@DIN35004877 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
```