

# GIT BRANCHING

## Section 1

### Q) 21-24

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~
$ cd Assignments

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments
$ touch README.txt

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments
$ git status
fatal: not a git repository (or any of the parent directories): .git

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git status
On branch master

No commits yet

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

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git add README.txt

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   README.txt

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git commit -m "Adding README.txt"
[master (root-commit) e26c5a9] Adding README.txt
1 file changed, 1 insertion(+)
create mode 100644 README.txt

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

## Q) 25-28

```
DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git branch html-assignments

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Hello.html
        index.html
        sample.html

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git add .

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Hello.html
        new file:   index.html
        new file:   sample.html

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git commit -m "adding all html files to html-assignments branch"
[html-assignments 2cf481c] adding all html files to html-assignments branch
3 files changed, 62 insertions(+)
create mode 100644 Hello.html
create mode 100644 index.html
create mode 100644 sample.html

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$
```

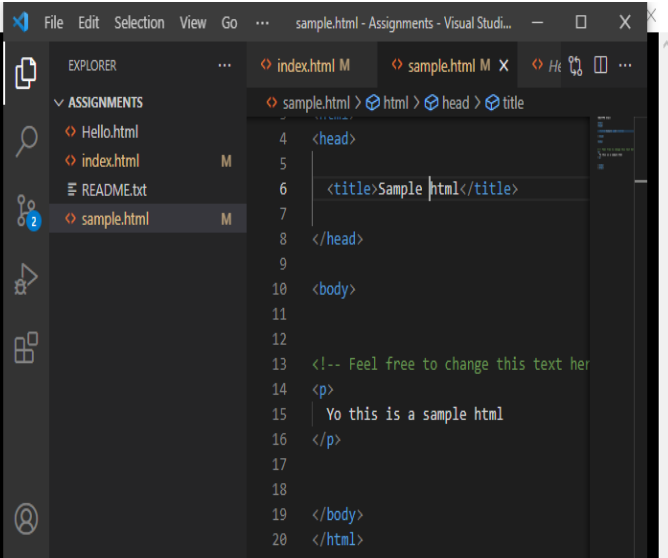
## Q) 29

```
MINGW64/c/Users/Administrator/Assignments
DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
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:   index.html
        modified:   sample.html

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git add .

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html
        modified:   sample.html
```



## Q) 30-33

```
DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html
        modified:   sample.html

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git commit -m "first draft of changes in html files"
[html-assignments b45780c] first draft of changes in html files
2 files changed, 5 insertions(+), 5 deletions(-)

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
nothing to commit, working tree clean

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (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:   README.txt

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

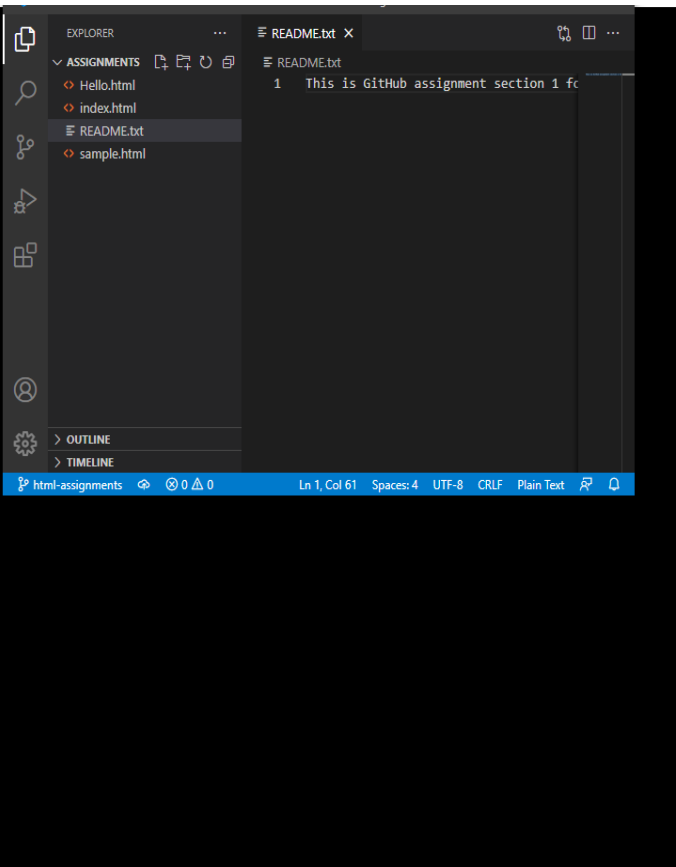
DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git add .

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.txt

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git commit -m "changing README.txt"
[master 43b097e] changing README.txt
1 file changed, 2 insertions(+), 1 deletion(-)

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$
```



## Q) 34-38

```
DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
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:   Hello.html

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

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git add .

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   Hello.html

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git commit -m "Adding change in Hello.html"
[html-assignments cce8a8b] Adding change in Hello.html
1 file changed, 1 insertion(+)

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
nothing to commit, working tree clean

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git merge html-assignments
Merge made by the 'recursive' strategy.
 Hello.html | 19 ++++++
 index.html | 24 ++++++
 sample.html | 20 ++++++
 3 files changed, 63 insertions(+)
 create mode 100644 Hello.html
 create mode 100644 index.html
 create mode 100644 sample.html

DIN35004877+Administrator@DIN35004877 MINGW64 ~/Assignments (master)
$ git branch -d html-assignments
Deleted branch html-assignments (was cce8a8b).

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