

VCS Assignment 2

Exercise - 1

```
[(base) → Assignment_1 git init
Initialized empty Git repository in /Users/shriyahireholi/Documents/Personal/Learnings/ConsultAdd/VCS/Assignment_1/.git/
[(base) → Assignment_1 git:(main) × touch index.html
[(base) → Assignment_1 git:(main) × git status
On branch main

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
[(base) → Assignment_1 git:(main) × git add index.html
[(base) → Assignment_1 git:(main) × git status
On branch main

No commits yet

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

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

[(base) → Assignment_1 git:(main) × git commit -m "initial commit"
[main (root-commit) 69da3ce] initial commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.html
(base) → Assignment_1 git:(main) × █
```

Exercise - 2

```
((base) → Assignment_1 git:(main) ✕ touch about.html
((base) → Assignment_1 git:(main) ✕ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .DS_Store
        about.html

nothing added to commit but untracked files present (use "git add" to track)
((base) → Assignment_1 git:(main) ✕ git status
On branch main
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)
        .DS_Store
        about.html

no changes added to commit (use "git add" and/or "git commit -a")
((base) → Assignment_1 git:(main) ✕ git add index.html
((base) → Assignment_1 git:(main) ✕ git status
On branch main
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)
        .DS_Store
        about.html

((base) → Assignment_1 git:(main) ✕ git commit "index.html changed"
error: pathspec 'index.html changed' did not match any file(s) known to git
(base) → Assignment_1 git:(main) ✕ █
```

Exercise - 3

```
[(base) → Assignment_1 git:(main) ✖ git status
On branch main
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:   about.html

no changes added to commit (use "git add" and/or "git commit -a")
[(base) → Assignment_1 git:(main) ✖ git add about.html
[(base) → Assignment_1 git:(main) ✖ git commit --amend -m "Adding index.html and about.html"
[main 11bd4cf] Adding index.html and about.html
Date: Thu May 1 13:19:46 2025 -0700
(base) → Assignment_1 git:(main) █
```

Exercise - 4

```
[(base) → Assignment git:(main) touch .gitignore
[(base) → Assignment git:(main) ✖ git status
On branch main
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)
[(base) → Assignment git:(main) ✖ git add .
[(base) → Assignment git:(main) ✖ git commit -m "added gitignore file"
[main fa574e8] added gitignore file
 1 file changed, 4 insertions(+)
 create mode 100644 .gitignore
(base) → Assignment git:(main) █
```

Exercise - 5

```
[(base) → Assignment git:(main) ✖ git status
On branch main
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:   about.html
        modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
[(base) → Assignment git:(main) ✖ git stash
Saved working directory and index state WIP on main: fa574e8 added gitignore file
[(base) → Assignment git:(main) git stash list
(base) → Assignment git:(main) █
```

```
stash@{0}: WIP on main: fa574e8 added gitignore file
(END)
```

Exercise – 6

```
[(base) → Assignment git:(main) echo "File 1" > file1.txt
[(base) → Assignment git:(main) ✖ git add file1.txt
[(base) → Assignment git:(main) ✖ git commit -m "Add file1"
[main 36c7e6d] Add file1
 1 file changed, 1 insertion(+)
 create mode 100644 file1.txt
[(base) → Assignment git:(main) echo "File 2" > file2.txt
[(base) → Assignment git:(main) ✖ git add file2.txt
[(base) → Assignment git:(main) ✖ git commit -m "Add file2"
[main 93f33ac] Add file2
 1 file changed, 1 insertion(+)
 create mode 100644 file2.txt
[(base) → Assignment git:(main) git status
On branch main
nothing to commit, working tree clean
[(base) → Assignment git:(main) git reset --soft HEAD~1
[(base) → Assignment git:(main) ✖ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   file2.txt

(base) → Assignment git:(main) ✖ █
```

Exercise – 7

```
[(base) → Assignment git:(main) echo "Third file" > file3.txt
[(base) → Assignment git:(main) ✕ git add file3.txt
[(base) → Assignment git:(main) ✕ git commit -m "Add file3"
[main ff570cc] Add file3
 1 file changed, 1 insertion(+)
 create mode 100644 file3.txt
[(base) → Assignment git:(main) git status
On branch main
nothing to commit, working tree clean
[(base) → Assignment git:(main) git log --oneline
[(base) → Assignment git:(main) git reset --hard HEAD~1
HEAD is now at ffa25ea Add file2
(base) → Assignment git:(main) █
```

Exercise – 8

```
[(base) → Assignment_1 git:(feature_branch_1) ✕ git status
On branch feature_branch_1
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)
        .DS_Store
        about.html
        about_us.html

[(base) → Assignment_1 git:(feature_branch_1) ✕ git add .
[(base) → Assignment_1 git:(feature_branch_1) ✕ git commit -m "added about_us"
[feature_branch_1 bfbbac7] added about_us
 4 files changed, 3 insertions(+)
 create mode 100644 .DS_Store
 create mode 100644 about.html
 create mode 100644 about_us.html
[(base) → Assignment_1 git:(feature_branch_1) git checkout master
error: pathspec 'master' did not match any file(s) known to git
[(base) → Assignment_1 git:(feature_branch_1) git checkout main
Switched to branch 'main'
[(base) → Assignment_1 git:(main) git merge feature_branch_1
Updating 69da3ce..bfbbac7
Fast-forward
 .DS_Store      | Bin 0 -> 6148 bytes
 about.html     |    0
 about_us.html  |    0
 index.html     |    3 +++
 4 files changed, 3 insertions(+)
 create mode 100644 .DS_Store
 create mode 100644 about.html
 create mode 100644 about_us.html
(base) → Assignment_1 git:(main) █
```

Exercise – 9

```
[(base) → Assignment_1 git:(main) git checkout feature_branch_1
Switched to branch 'feature_branch_1'
[(base) → Assignment_1 git:(feature_branch_1) git status
On branch feature_branch_1
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

no changes added to commit (use "git add" and/or "git commit -a")
[(base) → Assignment_1 git:(feature_branch_1) × git add .
[(base) → Assignment_1 git:(feature_branch_1) × git commit "added h1 tag in index"
error: pathspec 'added h1 tag in index' did not match any file(s) known to git
[(base) → Assignment_1 git:(feature_branch_1) × git checkout main
M       index.html
Switched to branch 'main'
[(base) → Assignment_1 git:(main) × git checkout feature_branch_1
M       index.html
Already on 'feature_branch_1'
[(base) → Assignment_1 git:(feature_branch_1) × git commit -m "added h1 tag in index"
[feature_branch_1 5e98041] added h1 tag in index
 1 file changed, 3 insertions(+), 1 deletion(-)
[(base) → Assignment_1 git:(feature_branch_1) git checkout main
Already on 'main'
[(base) → Assignment_1 git:(main) git status
On branch main
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

no changes added to commit (use "git add" and/or "git commit -a")
[(base) → Assignment_1 git:(main) × git add .
[(base) → Assignment_1 git:(main) × git commit -m "added h2 tag in index main br"
[main f07212a] added h2 tag in index main br
 1 file changed, 3 insertions(+), 1 deletion(-)
[(base) → Assignment_1 git:(main) git merge feature_branch_1
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.
[(base) → Assignment_1 git:(main) × git status
On branch main
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
[(base) → Assignment_1 git:(main) × git add .
[(base) → Assignment_1 git:(main) × git commit -m "resolved changes"
[main 680578c] resolved changes
(base) → Assignment_1 git:(main) █
```

