

Exercise 1: Create your first Commit.

Initialize Exercise-1 Repository

```
MINGW64:/c/Users/VPabbisetty/desktop/Exercise1

VPabbisetty@Karthik MINGW64 ~
$ cd desktop

VPabbisetty@Karthik MINGW64 ~/desktop
$ mkdir Exercise1

VPabbisetty@Karthik MINGW64 ~/desktop
$ cd Exercise1

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1
$ |
```

Index.html file creation

```
MINGW64:/c/Users/VPabbisetty/desktop/Exercise1

VPabbisetty@Karthik MINGW64 ~
$ cd desktop

VPabbisetty@Karthik MINGW64 ~/desktop
$ mkdir Exercise1

VPabbisetty@Karthik MINGW64 ~/desktop
$ cd Exercise1

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1
$ touch index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1
$ vi index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1
$ |
```

Code creation in Index.html file

```
MINGW64~/c:/Users/VPabbisetty/desktop/Exercise1
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>

index.html[+] (unix) (08:39 07/11/2022)
[swq]
```

Stage Index file and commit

```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1
$ git init
Initialized empty Git repository in C:/Users/VPabbisetty/Desktop/Exercise1/.git/

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1 (master)
$ ls -la
total 9
drwxr-xr-x 1 VPabbisetty 197121  0 Nov  7 08:42 ./
drwxr-xr-x 1 VPabbisetty 197121  0 Nov  7 08:32 ../
drwxr-xr-x 1 VPabbisetty 197121  0 Nov  7 08:42 .git/
-rw-r--r-- 1 VPabbisetty 197121 101 Nov  7 08:40 index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1 (master)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1 (master)
$ git commit -m "Initial Message"
[master (root-commit) 4e99f24] Initial Message
 1 file changed, 9 insertions(+)
 create mode 100644 index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1 (master)
$ git log
commit 4e99f2499b6cbcb2f45fb5ef982797d785e22f45 (HEAD -> master)
Author: vpabbisetty1 <vpabbisetty1@outlook.com>
Date:   Mon Nov 7 08:43:45 2022 -0500

    Initial Message

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1 (master)
$ git status
```

Push to GitHub

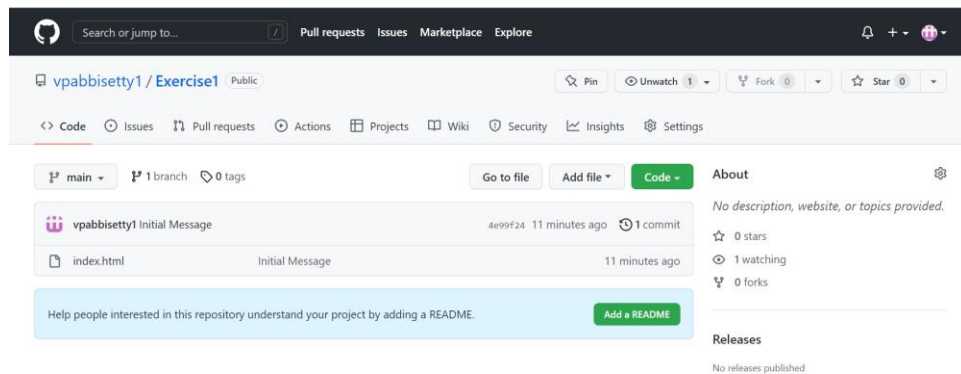
```

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1 (master)
$ git status
On branch master
nothing to commit, working tree clean

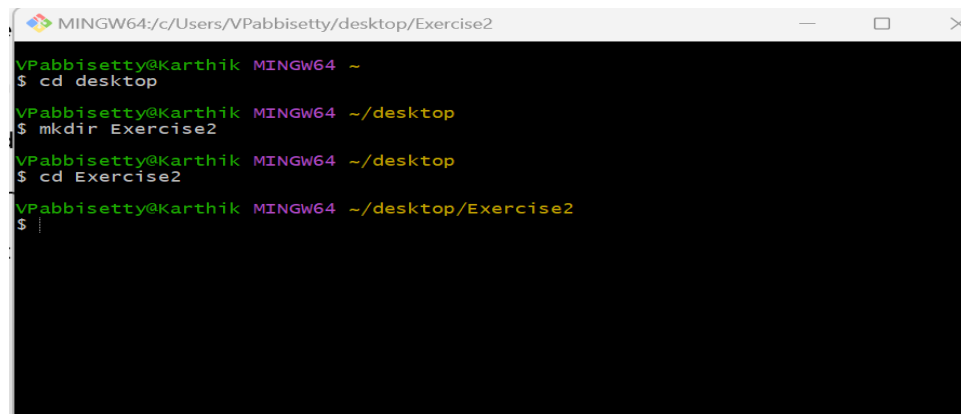
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1 (master)
$ git remote add origin https://github.com/vpabbisetty1/Exercise1.git
git branch -M main
git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 299 bytes | 299.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/vpabbisetty1/Exercise1.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise1 (main)
$

```



Exercise 2: Commit only one file.



```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2
$ touch index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2
$ touch about.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2
$
```

```
MINGW64:/c/Users/VPabbisetty/desktop/Exercise2
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>

index.html[+] [unix] (09:02 07/11/2022) 3,27 All
-- INSERT --
```

```
MINGW64:/c/Users/VPabbisetty/desktop/Exercise2
<a href="https://www.w3schools.com">This is a link</a>

about.html[+] [unix] (09:02 07/11/2022) 1,55 All
-- INSERT --
```

```

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2
$ git init
Initialized empty Git repository in C:/Users/VPabbisetty/Desktop/Exercise2/.git/

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2 (master)
$ git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2 (master)
$ ls
about.html  index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2 (master)
$ git commit -m "Filexadded"
[master (root-commit) d61579f] Filexadded
1 file changed, 3 insertions(+)
create mode 100644 index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2 (master)
$ git log
commit d61579f14faf670c41a2af1586a077027052979b (HEAD -> master)
Author: vpabbisetty1 <vpabbisetty1@outlook.com>
Date: Mon Nov 7 09:07:15 2022 -0500

    Filexadded

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2 (master)
$ |

```

```

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2 (main)
$ git log
commit d61579f14faf670c41a2af1586a077027052979b (HEAD -> main, origin/main)
Author: vpabbisetty1 <vpabbisetty1@outlook.com>
Date: Mon Nov 7 09:07:15 2022 -0500

    Filexadded

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise2 (main)
$ |

```

Exercise 3: Modify last commit.

MINGW64:/c/Users/VPabbisetty/desktop/Exercise3

```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3
$ touch index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3
$ vi index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3
$ ls
index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3
$ git add index.html
fatal: not a git repository (or any of the parent directories): .git

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3
$ git init
Initialized empty Git repository in C:/Users/VPabbisetty/Desktop/Exercise3/.git/

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3 (master)
$ git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3 (master)
$ git commit -m "adding index.html"
[master (root-commit) 6b40a54] adding index.html
1 file changed, 9 insertions(+)
create mode 100644 index.html
```

MINGW64:/c/Users/VPabbisetty/desktop/Exercise3

```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3 (master)
$ git commit --amend -m "'Adding index.html and
about.html 'and add about.html file in previous commit.'"
[master 5d6b28d] 'Adding index.html and about.html 'and add about.html file in previous commit.
Date: Mon Nov 7 09:17:25 2022 -0500
2 files changed, 18 insertions(+)
create mode 100644 about.html
create mode 100644 index.html

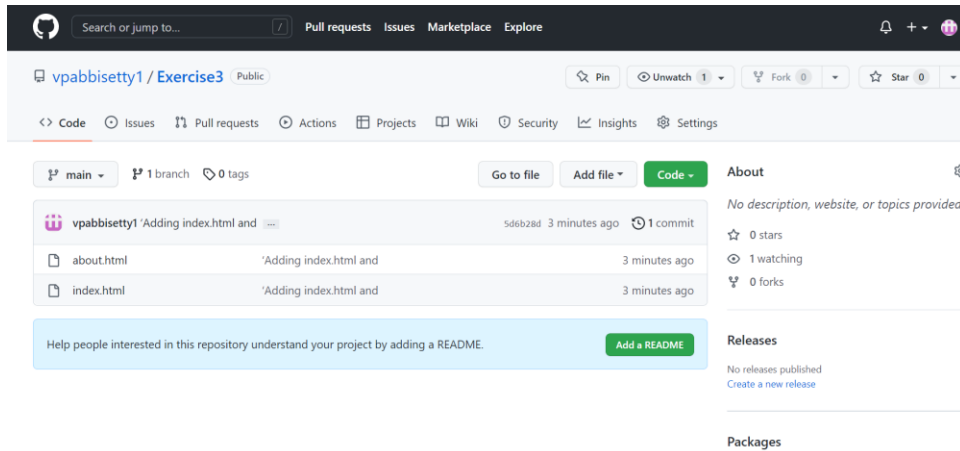
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3 (master)
$ git log
commit 5d6b28d6ed686dd643688e49e3a239ffb187572e (HEAD -> master)
Author: vpabbisetty1 <vpabbisetty1@outlook.com>
Date: Mon Nov 7 09:17:25 2022 -0500

    'Adding index.html and
    about.html 'and add about.html file in previous commit.

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3 (master)
$ |
```

```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3 (master)
$ git remote add origin https://github.com/vpabbisetty1/Exercise3.git
git branch -M main
git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 355 bytes | 355.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/vpabbisetty1/Exercise3.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise3 (main)
$ |
```



Exercise 4: Create git ignore file

```
MINGW64/c/Users/VPabbisetty/desktop/Exercise4

VPabbisetty@Karthik MINGW64 ~
$ cd desktop

VPabbisetty@Karthik MINGW64 ~/desktop
$ mkdir Exercise4

VPabbisetty@Karthik MINGW64 ~/desktop
$ cd Exercise4

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4
$ git init
Initialized empty Git repository in C:/Users/VPabbisetty/Desktop/Exercise4/.git/

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ vim .gitignor

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

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

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ ls
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ ls
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ ls .exe
ls: cannot access '.exe': No such file or directory

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ git add .
warning: in the working copy of '.gitignor', LF will be replaced by CRLF the next time Git touches it

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ git commit -m "Ignore"
[master (root-commit) b188e43] Ignore
 1 file changed, 25 insertions(+)
 create mode 100644 .gitignor

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ git log
commit b188e430ac1dd6f9bd825d595d0054ca6cd98bda (HEAD -> master)
Author: vpabbisetty1 <vpabbisetty1@outlook.com>
Date: Mon Nov 7 09:36:53 2022 -0500

    Ignore

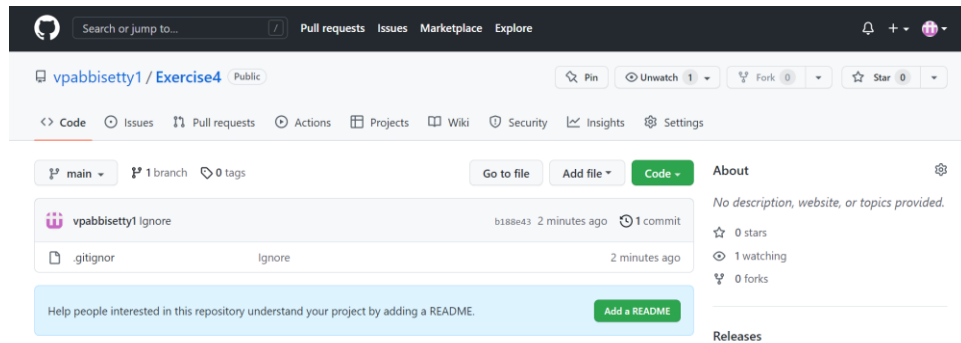
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ git status
On branch master
nothing to commit, working tree clean

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
```

```

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise4 (master)
$ git remote add origin https://github.com/vpabbisetty1/Exercise4.git
git branch -M main
git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 240 bytes | 240.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/vpabbisetty1/Exercise4.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

```



Exercise 5: Save your work with stash.

Git Commands: git stash, git stash apply, git stash list, git stash relog, git commit –m “Message”.

```

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise5 (master)
$ git stash list
stash@{0}: WIP on master: cda9be1 Initial Commit

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise5 (master)
$ git stash
Saved working directory and index state WIP on master: cda9be1 Initial Commit

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise5 (master)
$ git stash apply
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   index.php

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.php

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise5 (master)
$ git stash list
stash@{0}: WIP on master: cda9be1 Initial Commit
stash@{1}: WIP on master: cda9be1 Initial Commit

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise5 (master)
$

```

Exercise 6: Reset Previous Commit Keeping changes. (Soft Reset)

Exercise 7: Reset Previous Commit (Hard Reset).

```
MINGW64/c/Users/VPabbisetty/Desktop/Exercise6

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6
$ git init
Initialized empty Git repository in C:/Users/VPabbisetty/Desktop/Exercise6/.git/

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ touch index.html

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git add .

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git commit -m "First Commit"
[master (root-commit) 8ca41c2] First Commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git relog
8ca41c2 (HEAD -> master) HEAD@{0}: commit (initial): First Commit

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ touch about.txt

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git add .

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git commit -m "Second commit"
[master 94a40b2] Second commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 about.txt

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git relog
94a40b2 (HEAD -> master) HEAD@{0}: commit: Second commit
8ca41c2 HEAD@{1}: commit (initial): First Commit

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ touch g.txt

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git add .

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git commit -m "Third Commit"
[master d0bc5c5] Third Commit
1 file changed, 0 insertions(+), 0 deletions(-)
```

45°F
Sunny

```

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git relog
c36bea9 (HEAD -> master) HEAD@{0}: commit: Fifth Commit
42776ad HEAD@{1}: commit: Fourth Commit
d0bc5c5 HEAD@{2}: commit: Third Commit
94a40b2 HEAD@{3}: commit: Second commit
8ca41c2 HEAD@{4}: commit (initial): First Commit

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git reset 42776ad --soft

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git reset --soft

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git reset --soft 42776ad

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git reset --soft HEAD^

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git reset 42776ad --hard
HEAD is now at 42776ad Fourth Commit

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git relog
42776ad (HEAD -> master) HEAD@{0}: reset: moving to 42776ad
d0bc5c5 HEAD@{1}: reset: moving to HEAD^
42776ad (HEAD -> master) HEAD@{2}: reset: moving to 42776ad
42776ad (HEAD -> master) HEAD@{3}: reset: moving to HEAD
42776ad (HEAD -> master) HEAD@{4}: reset: moving to 42776ad
c36bea9 HEAD@{5}: commit: Fifth Commit
42776ad (HEAD -> master) HEAD@{6}: commit: Fourth Commit
d0bc5c5 HEAD@{7}: commit: Third Commit
94a40b2 HEAD@{8}: commit: Second commit
8ca41c2 HEAD@{9}: commit (initial): First Commit

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ git status
On branch master
nothing to commit, working tree clean

VPabbisetty@Karthik MINGW64 ~/Desktop/Exercise6 (master)
$ |

```

Exercise 8: Merge branch (No Conflicts).

MINGW64:/c/Users/VPabbisetty/desktop/Exercise8

```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ touch index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ vi index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ git commit -m "Hello World"
[master (root-commit) 7720a6a] Hello World
1 file changed, 2 insertions(+)
create mode 100644 index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ git branch -c my-feature

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ git branch -a
* master
  my-feature

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ touch about-us.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ vi about-us.html
```

```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ git branch my-feature
fatal: a branch named 'my-feature' already exists

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (master)
$ git switch my-feature
Switched to branch 'my-feature'

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (my-feature)
$ git add .
warning: in the working copy of 'about-us.html', LF will be replaced by CRLF the next time Git touches it

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (my-feature)
$ git commit -m "Branching"
[my-feature 8208fc9] Branching
1 file changed, 1 insertion(+)
create mode 100644 about-us.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (my-feature)
$ git checkout my-feature
Already on 'my-feature'

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (my-feature)
$ git merge master
Already up to date.

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise8 (my-feature)
$
```

Exercise 9: Merge branch (Conflicts).

MINGW64:/c:/Users/VPabbisetty/desktop/Exercise9

```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9
$ git init
Initialized empty Git repository in C:/Users/VPabbisetty/Desktop/Exercise9/.git/

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ touch index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ vi index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ git commit -m "Hello World"
[master (root-commit) 1e7009d] Hello World
1 file changed, 2 insertions(+)
create mode 100644 index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ git branch -c my-feature

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ git branch -a
* master
  my-feature
```

```
VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ touch about-us.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ vi about-us.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ git add .
warning: in the working copy of 'about-us.html', LF will be replaced by CRLF the next time Git touches it

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ vi index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ git commit -m "Changes"
[master afb4faa] Changes
1 file changed, 1 insertion(+)
create mode 100644 about-us.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (master)
$ git switch my-feature
Switched to branch 'my-feature'
M      index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (my-feature)
$ git checkout my-feature
Already on 'my-feature'
M      index.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (my-feature)
$ git merge master
Updating 1e7009d..afb4faa
Fast-forward
 about-us.html | 1 +
1 file changed, 1 insertion(+)
create mode 100644 about-us.html

VPabbisetty@Karthik MINGW64 ~/desktop/Exercise9 (my-feature)
$
```

END OF DOCUMENT

