

Assignment 2:

Exercise 1: Create your first commit

- Initialize your Repository: `git init` project Exercise-1
- Create a file with name `index.html`
- Write code in newly created file
- Stage `index.html`
- Commit with message 'Initial Message.'

Solution:

```
MINGW64:/c:/Users/yogit/Desktop/consultadd_python_...
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment
$ mkdir VCS-Assignment-2

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment
$ cd VCS-Assignment-2

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ mkdir Exercise-1

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ cd Exercise-1

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1 (master)
$ cat index.html
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Welcome to the Index Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1 (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

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1 (master)
$ git commit -m 'Initial Message'
[master (root-commit) ed75e41] Initial Message
1 file changed, 12 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1 (master)
$ git status
On branch master
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1 (master)
$ !
```

Exercise 2: Commit only one file.

- Initialize your Repository: `git init Exercise-2`
- Create a files with names `index.html` and `about.html`
- Add code in both files.
- Stage only one file.
- Commit with message: 'File x added.'

Solution:



MINGW64:/c/Users/yogit/Desktop/consultadd_python_...



```
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-1 (master)
$ cd ..

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ mkdir Exercise-2

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ cd Exercise-2

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ touch index.html about.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ cat index.html
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Welcome to the Index Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ nano about.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ cat about.html
<!-- about.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>About Page</title>
</head>
<body>
  <h1>About Us</h1>
  <p>This is the about page content.</p>
</body>
</html>
```

```
MINGW64:/c/Users/yogit/Desktop/consultadd_python_...
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Welcome to the Index Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ nano about.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ cat about.html
<!-- about.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>About Page</title>
</head>
<body>
  <h1>About Us</h1>
  <p>This is the about page content.</p>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ ls
about.html  index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ git add about.html
warning: in the working copy of 'about.html', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ git commit -m 'File about.html added'
[master (root-commit) 7822b14] File about.html added
1 file changed, 13 insertions(+)
create mode 100644 about.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$ git status
On branch master
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)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-2 (master)
$
```

Exercise 3: Modify last commit.

- Initialize your Repository: git init project Exercise-3
- Create a file with name index.html
- Write code in newly created file
- Stage index.html
- Commit with message 'adding index.html.'

- Add new about.html file with some code.
- Now modify message of previous commit as 'Adding index.html and about.html 'and add about.html file in previous commit.

Solution:

```

MINGW64:/c/Users/yogit/Desktop/consultadd_python_train...
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ cat index.html
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Welcome to the Index Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ git commit -m 'adding index.html'
[master (root-commit) 61ac41a] adding index.html
1 file changed, 12 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ touch about.html

```

```
MINGW64:/c/Users/yogit/Desktop/consultadd_python_...
$ touch about.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ nano about.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ cat about.html
<!-- about.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>About Page</title>
</head>
<body>
  <h1>About Us</h1>
  <p>This is the about page content.</p>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ git add about.html
warning: in the working copy of 'about.html', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ git commit --amend -m 'Adding index.html and about.html'
[master d193896] Adding index.html and about.html
Date: Mon Feb 19 19:59:20 2024 -0500
2 files changed, 25 insertions(+)
create mode 100644 about.html
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$ git status
On branch master
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-3 (master)
$
```

Exercise 4: Create git ignore file

- Initialize your Repository: git init Exercise-4
- Create a gitignore file that will ignore
 - all files with 'exe' extension
 - all files with 'o' extension
 - all files with 'jar' extension
 - the whole libraries directory

Solution:

```
MINGW64:/c:/Users/yogit/Desktop/consultadd_python_...
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4 (master)
$ ls

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4 (master)
$ touch .gitignore

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4 (master)
$ nano .gitignore

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4 (master)
$ cat .gitignore
# Ignore files with 'exe' extension
*.exe

# Ignore files with 'o' extension
*.o

# Ignore files with 'jar' extension
*.jar

# Ignore the whole 'libraries' directory
libraries/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4 (master)
$ touch myfile.exe myfile.o myfile.jar

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4 (master)
$ mkdir libraries

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4 (master)
$ git status
On branch master

No commits yet

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)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-4 (master)
$
```

Exercise 5: Save your work with stash

- Initialize your Repository: git init Exercise-5
- Add some random files with code
- Now use git stash command to save required files from above files.

- (For this exercise don't send repository just submit git commands and output of git stash list)

Solution:

```
MINGW64:/c/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ touch file1.py

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ touch file2.js

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ echo "print('Hello from file1')" >> file1.py

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ echo "console.log('Hello from file2')" >> file2.js

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file1.py
        file2.js

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

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git stash
You do not have the initial commit yet

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git add .
warning: in the working copy of 'file1.py', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'file2.js', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git stash
You do not have the initial commit yet

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git commit -m 'files'
[master (root-commit) 4093ea9] files
 2 files changed, 2 insertions(+)
 create mode 100644 file1.py
 create mode 100644 file2.js

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

```
MINGW64/c/Users/yogit/Desktop/consultadd_python_...
(use "git add <file>..." to include in what will be committed)
file1.py
file2.js

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

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git stash
You do not have the initial commit yet

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git add .
warning: in the working copy of 'file1.py', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'file2.js', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git stash
You do not have the initial commit yet

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git commit -m 'files'
[master (root-commit) 4093ea9] files
 2 files changed, 2 insertions(+)
 create mode 100644 file1.py
 create mode 100644 file2.js

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git status
On branch master
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git stash
No local changes to save

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git stash list

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ echo "Updated content in file1" >> file1.py

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ echo "Updated content in file2" >> file2.js

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git stash
warning: in the working copy of 'file1.py', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'file2.js', LF will be replaced by CRLF the next time Git touches it
Saved working directory and index state WIP on master: 4093ea9 files

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$ git stash list
stash@{0}: WIP on master: 4093ea9 files

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-5 (master)
$
```

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

- Initialize your Repository: git init Exercise-6.

- Do some series of commits.
- Now use git reset command to reset one of the commit and keep changes in staging area.
- In answer also add output of git status command.

Solution:

MINGW64:/c/Users/yogit/Desktop/consultadd_python_train...

```
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ mkdir Exercise-6

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ cd Exercise-6

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ touch file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ nano file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ cat file.txt
Hi,there

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git commit -m 'Initial commit'
[master (root-commit) 0feb1df] Initial commit
1 file changed, 1 insertion(+)
create mode 100644 file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ echo 'First Change' >> file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git commit -m 'Second commit'
[master 448ea26] Second commit
1 file changed, 1 insertion(+)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ echo 'Second Change' >> file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git commit -m 'Third commit'
[master 7e942dd] Third commit
1 file changed, 1 insertion(+)
```

```
MINGW64:/c/Users/yogit/Desktop/consultadd_python_...
1 file changed, 1 insertion(+)
create mode 100644 file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ echo 'First Change' >> file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git commit -m 'Second commit'
[master 448ea26] Second commit
1 file changed, 1 insertion(+)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ echo 'Second Change' >> file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git commit -m 'Third commit'
[master 7e942dd] Third commit
1 file changed, 1 insertion(+)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git log
commit 7e942dd16059aa337b38533698503298cb6109f8 (HEAD -> master)
Author: Yogita <yogita.ramesh.bugade@gmail.com>
Date: Mon Feb 19 20:50:27 2024 -0500

    Third commit

commit 448ea26c318d3d3553905a0288d3c3a478565c1e
Author: Yogita <yogita.ramesh.bugade@gmail.com>
Date: Mon Feb 19 20:49:44 2024 -0500

    Second commit

commit 0feb1df81fd0c86baf287cb93e2cc521bac243f7
Author: Yogita <yogita.ramesh.bugade@gmail.com>
Date: Mon Feb 19 20:48:57 2024 -0500

    Initial commit

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git reset --soft 448ea26c318d3d3553905a0288d3c3a478565c1e

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   file.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$
```

Exercise 7: Reset Previous Commit (Hard Reset).

- Initialize your Repository: git init Exercise-7.

- Do some series of commits.
- Use git reset command to reset one of the commit without keeping changes.

Solution:

```
MINGW64:/c/Users/yogit/Desktop/consultadd_python_...
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-6 (master)
$ cd ..

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ mkdir Exercise-7

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ cd Exercise-7

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7
$ ls

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ touch file1.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ echo 'Hey there,Welcome back' >> file1.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ cat file1.txt
Hey there,Welcome back

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git add file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git commit -m 'Initial commit'
[master (root-commit) bd744e1] Initial commit
1 file changed, 1 insertion(+)
create mode 100644 file1.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ echo 'First change' >> file1.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git add file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git commit -m 'Second commit'
[master f152c80] Second commit
1 file changed, 1 insertion(+)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ echo 'Second change' >> file1.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git add file1.txt
```



```
MINGW64:/c:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ echo 'First change' >> file1.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git add file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git commit -m 'Second commit'
[master f152c80] Second commit
1 file changed, 1 insertion(+)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ echo 'Second change' >> file1.txt

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git add file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git commit -m 'Third commit'
[master 2af3d44] Third commit
1 file changed, 1 insertion(+)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git log
commit 2af3d44a905dd4958d1f69ba2bdc49f84a6ed9a1 (HEAD -> master)
Author: Yogita <yogita.ramesh.bugade@gmail.com>
Date: Mon Feb 19 21:00:00 2024 -0500

    Third commit

commit f152c80606c79eec09f8d25c6314c622c882c181
Author: Yogita <yogita.ramesh.bugade@gmail.com>
Date: Mon Feb 19 20:59:25 2024 -0500

    Second commit

commit bd744e1a70ae48f32af7d3a8a9bbd9cf7a7a0dd8
Author: Yogita <yogita.ramesh.bugade@gmail.com>
Date: Mon Feb 19 20:58:39 2024 -0500

    Initial commit

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git reset -hard f152c80606c79eec09f8d25c6314c622c882c181
error: did you mean '--hard' (with two dashes)?

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git reset --hard f152c80606c79eec09f8d25c6314c622c882c181
HEAD is now at f152c80 Second commit

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$ git status
On branch master
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-7 (master)
$
```

Exercise 8: Merge branch (No Conflicts).

- Initialize your Repository: git init Exercise-8

- Create index.html file add some code.
- Make Commit.
- Create new branch from master branch with name my-feature.
- Add about-us.html file with code and commit changes in my-feature branch.
- Now checkout master branch.
- Merge my-feature branch into master.

Solution:

```
MINGW64:/c:/Users/yogit/Desktop/consultadd_python_...
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (master)
$ echo "<html><body><h1>Welcome to my website</h1></body></html>" > index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (master)
$ ls
index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (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

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (master)
$ git commit -m 'Added index.html'
[master (root-commit) 8ae7904] Added index.html
1 file changed, 1 insertion(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (my-feature)
$ echo "<html><body><h1>About Us</h1><p>This is the about us page</p></body></html>" > about-us.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (my-feature)
$ git add about-us.html
warning: in the working copy of 'about-us.html', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (my-feature)
$ git commit -m 'Added about-us.html'
[my-feature bf4a477] Added about-us.html
1 file changed, 1 insertion(+)
create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (my-feature)
$ git checkout master
Switched to branch 'master'

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (master)
$ git merge my-feature
Updating 8ae7904..bf4a477
Fast-forward
 about-us.html | 1 +
1 file changed, 1 insertion(+)
create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (master)
$ git status
On branch master
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-8 (master)
$ |
```

Exercise 9: Merge branch (Conflicts).

- Initialize your Repository: `git init Exercise-9`
- Create `index.html` file add some code.
- Make Commit.
- Create new branch from master branch with name `my-feature`.
- Add `about-us.html` file with code
- Make changes in `index.html`
- Commit changes in `my-feature` branch.
- Now checkout master branch.
- Do some code changes in `index.html`
- Commit changes.
- Now merge `my-feature` branch into master.
- You will get conflicts for `index.html` file. Resolve conflict by selecting both changes for the same `index.html` file.

Solution:

```
MINGW64:/c/Users/yogit/Desktop/consultadd_python_...
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ cd ..

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2
$ cd Exercise-9

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9/.git/

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ cat index.html
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Welcome to the Index Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (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

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git commit -m 'Initial Commit'
[master (root-commit) 21d8231] Initial Commit
 1 file changed, 12 insertions(+)
 create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ touch about-us.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ nano about-us.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ cat about-us.html
<!DOCTYPE html>
<html>
<head>
  <title>About Us</title>
</head>
<body>
  <h1>About Us</h1>
  <p>This is the about us page.</p>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
```

```

MINGW64:/c:/Users/yogit/Desktop/consultadd_python_train...
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ git add about-us.html
warning: in the working copy of 'about-us.html', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ cat index.html
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Hey Welcome to the Index Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ git commit -m 'Added about-us.html and made changes to index.html'
[my-feature 7115aa3] Added about-us.html and made changes to index.html
2 files changed, 11 insertions(+), 1 deletion(-)
create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (my-feature)
$ git checkout master
Switched to branch 'master'

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ cat index.html
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Welcome to my Index Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git add index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git commit -m 'Made changes to index.html on master branch'
[master c4bf500] Made changes to index.html on master branch
1 file changed, 1 insertion(+), 1 deletion(-)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git merge my-feature
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html

```

```
MINGW64:/c/Users/yogit/Desktop/consultadd_python_train...
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ cat index.html
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Welcome to my Index Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git add index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git commit -m 'Made changes to index.html on master branch'
[master c4bf500] Made changes to index.html on master branch
1 file changed, 1 insertion(+), 1 deletion(-)

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git merge my-feature
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master|MERGING)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master|MERGING)
$ cat index.html
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
  <h1>Hey Welcome to my Index Page</h1>
</body>
</html>

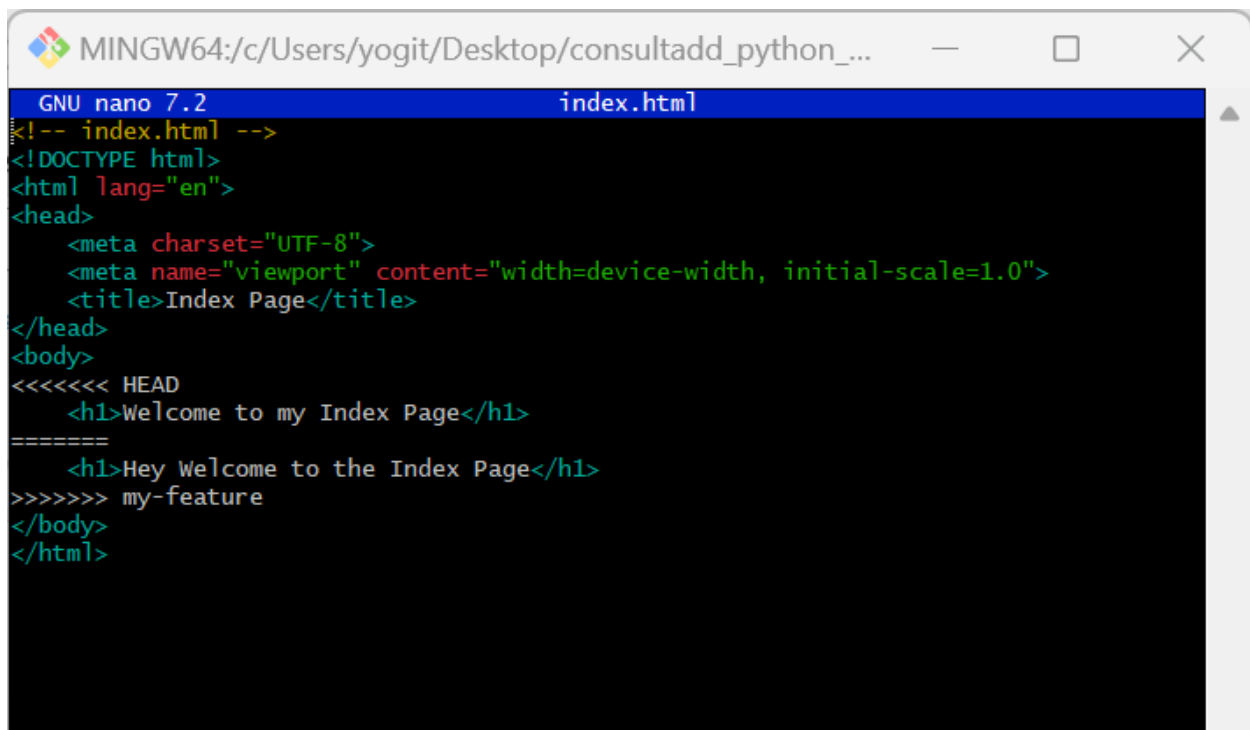
yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master|MERGING)
$ git add index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master|MERGING)
$ git commit -m 'Resolved conflicts by selecting both changes in index.html'
[master f8d8661] Resolved conflicts by selecting both changes in index.html

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git merge my-feature
Already up to date.

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$ git status
On branch master
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/consultadd_python_training/Version_Control_System_Assignment/VCS-Assignment-2/Exercise-9 (master)
$
```



The image shows a Windows command prompt window with the title bar "MINGW64:/c/Users/yogit/Desktop/consultadd_python_...". Inside the window, the GNU nano 7.2 text editor is open, editing a file named "index.html". The editor's status bar at the top shows "GNU nano 7.2" on the left and "index.html" on the right. The main area of the window displays the content of the index.html file, which is an HTML document. The code is as follows:

```
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index Page</title>
</head>
<body>
<<<<<< HEAD
  <h1>Welcome to my Index Page</h1>
=====
  <h1>Hey Welcome to the Index Page</h1>
>>>>>> my-feature
</body>
</html>
```