

## Assignment VCS

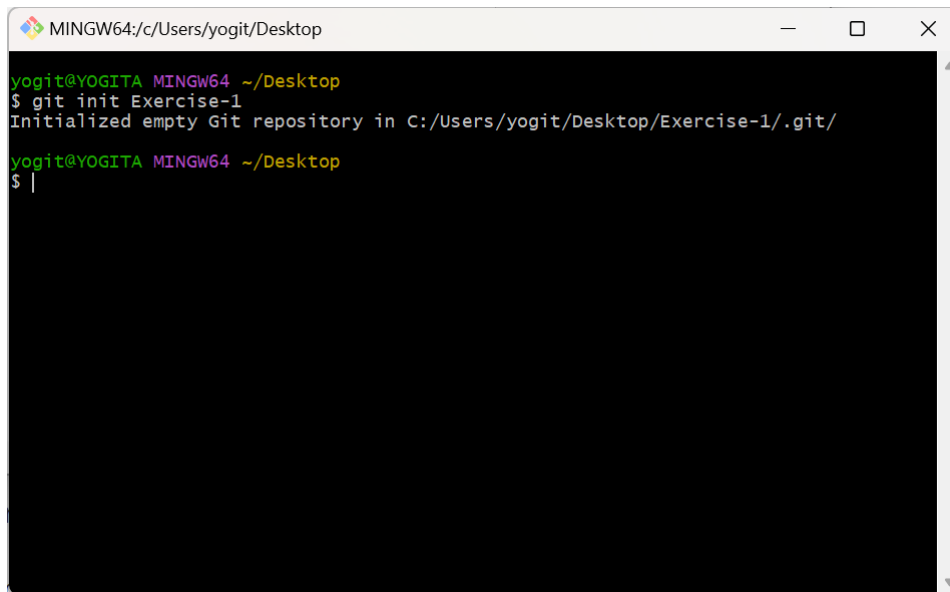
### Assignment

#### Exercise 1. Create your first Commit.

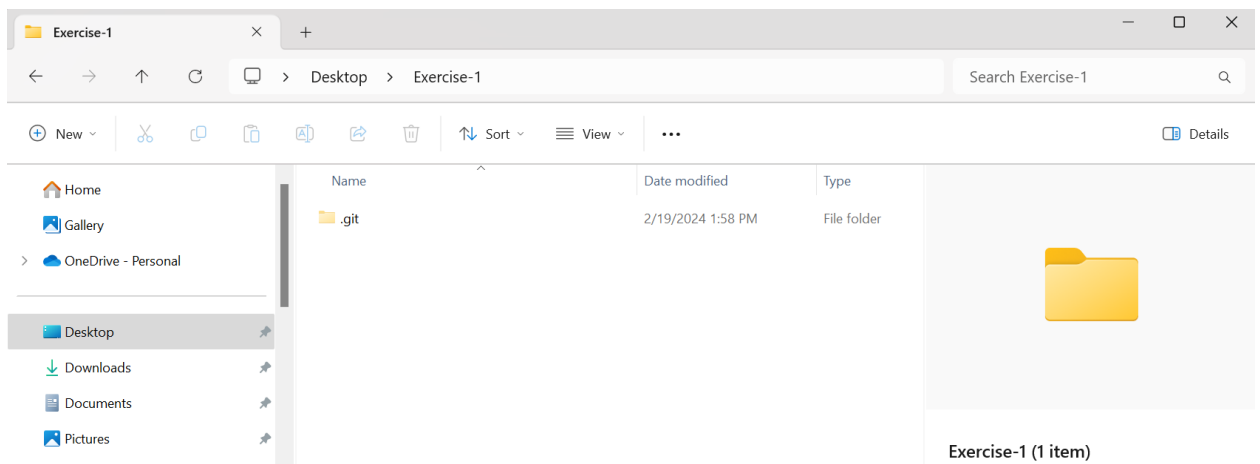
- Initialize your Repository: `git init project Exercise-1`
- Create a file with name `index.html`
- Write code in newly created file
- Stage `index.html`
- Commit with message 'Initial Message.'

#### Solution:

- Initialize your Repository: `git init project Exercise-1`



```
MINGW64/c:/Users/yogit/Desktop
yogit@YOGITA MINGW64 ~/Desktop
$ git init Exercise-1
Initialized empty Git repository in C:/Users/yogit/Desktop/Exercise-1/.git/
yogit@YOGITA MINGW64 ~/Desktop
$ |
```



- Create a file with name `index.html`

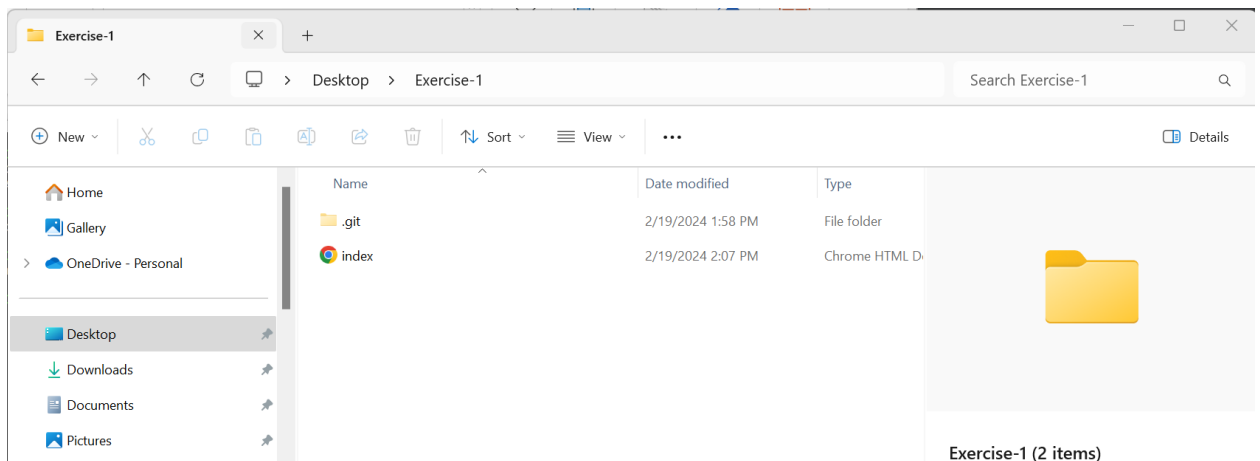
```
MINGW64:/c/Users/yogit/Desktop/Exercise-1

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

yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-1

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$
```



- Write code in newly created file

```
MINGW64:/c/Users/yogit/Desktop/Exercise-1
GNU nano 7.2 index.html Modified
<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Web Page</title>
</head>
<body>
  <h1>Hello, World!</h1>
</body>
</html>

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

```
MINGW64:/c/Users/yogit/Desktop/Exercise-1
yogit@YOGITA MINGW64 ~/Desktop
$ git init Exercise-1
Initialized empty Git repository in C:/Users/yogit/Desktop/Exercise-1/.git/

yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-1

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$
```

```
MINGW64:/c/Users/yogit/Desktop/Exercise-1
yogit@YOGITA MINGW64 ~/Desktop
$ git init Exercise-1
Initialized empty Git repository in C:/Users/yogit/Desktop/Exercise-1/.git/

yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-1

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/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>My Web Page</title>
</head>
<body>
  <h1>Hello, World!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$
```

- Stage index.html

```
MINGW64:/c/Users/yogit/Desktop/Exercise-1
yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/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>My Web Page</title>
</head>
<body>
  <h1>Hello, World!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (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)

yogit@YOGITA MINGW64 ~/Desktop/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/Exercise-1 (master)
$
```

- Commit with message 'Initial Message.'

```
MINGW64/c/Users/yogit/Desktop/Exercise-1
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/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/Exercise-1 (master)
$ git status
On branch master

No commits yet

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ git commit -m "Initial Message"
Author identity unknown

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'yogit@YOGITA.(none)')

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ git config --global user.email "yogita.ramesh.bugade@gmail.com"

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ git config --global user.name "Yogita"

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ git commit -m "Initial Message"
[master (root-commit) fe8933d] Initial Message
 1 file changed, 12 insertions(+)
 create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$
```

```
MINGW64:/c/Users/yogit/Desktop/Exercise-1
fatal: unable to auto-detect email address (got 'yogit@YOGITA.(none)')

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ git config --global user.email "yogita.ramesh.bugade@gmail.com"

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ git config --global user.name "Yogita"

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$ git commit -m "Initial Message"
[master (root-commit) fe8933d] Initial Message
1 file changed, 12 insertions(+)
create mode 100644 index.html

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (master)
$
```

Github:

```
MINGW64:/c/Users/yogit/Desktop/Exercise-1/Exercise-1
<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/Exercise-1/Exercise-1 (main)
$ 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/Exercise-1/Exercise-1 (main)
$ git commit -m "index.html committed"
[main 20b1f90] index.html committed
1 file changed, 12 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1/Exercise-1 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1/Exercise-1 (main)
$ git push --set-upstream origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 462 bytes | 462.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/yogita-bugade/Exercise-1.git
  1a24b71..20b1f90  main -> main
branch 'main' set up to track 'origin/main'.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1/Exercise-1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1/Exercise-1 (main)
$
```



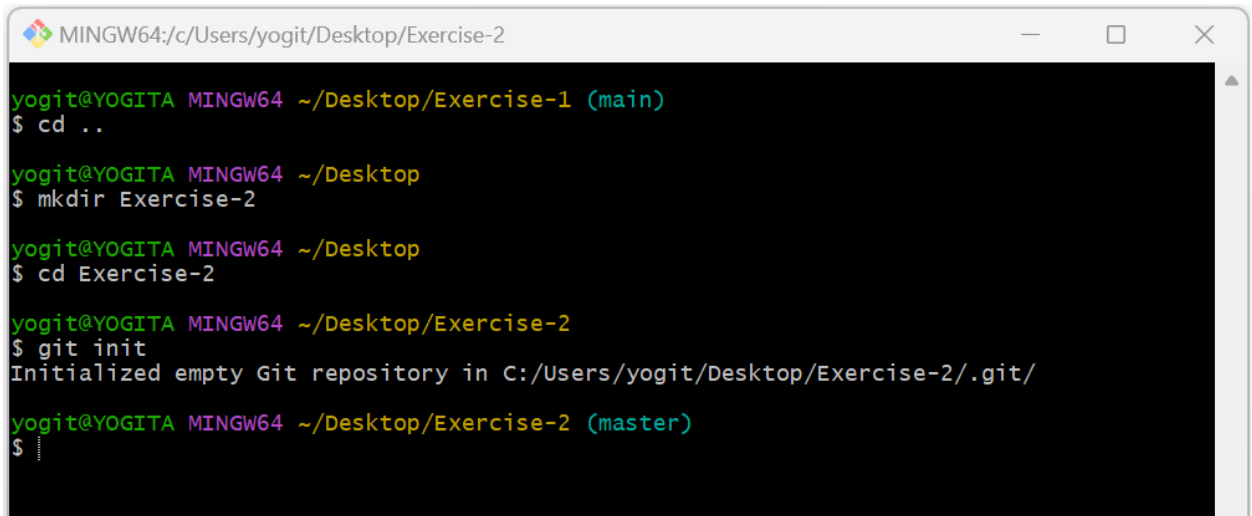
## Assignment

### Exercise 2. Commit only one file

- Initialize your Repository
- 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:

- Initialize your Repository



```
MINGW64/c:/Users/yogit/Desktop/Exercise-2

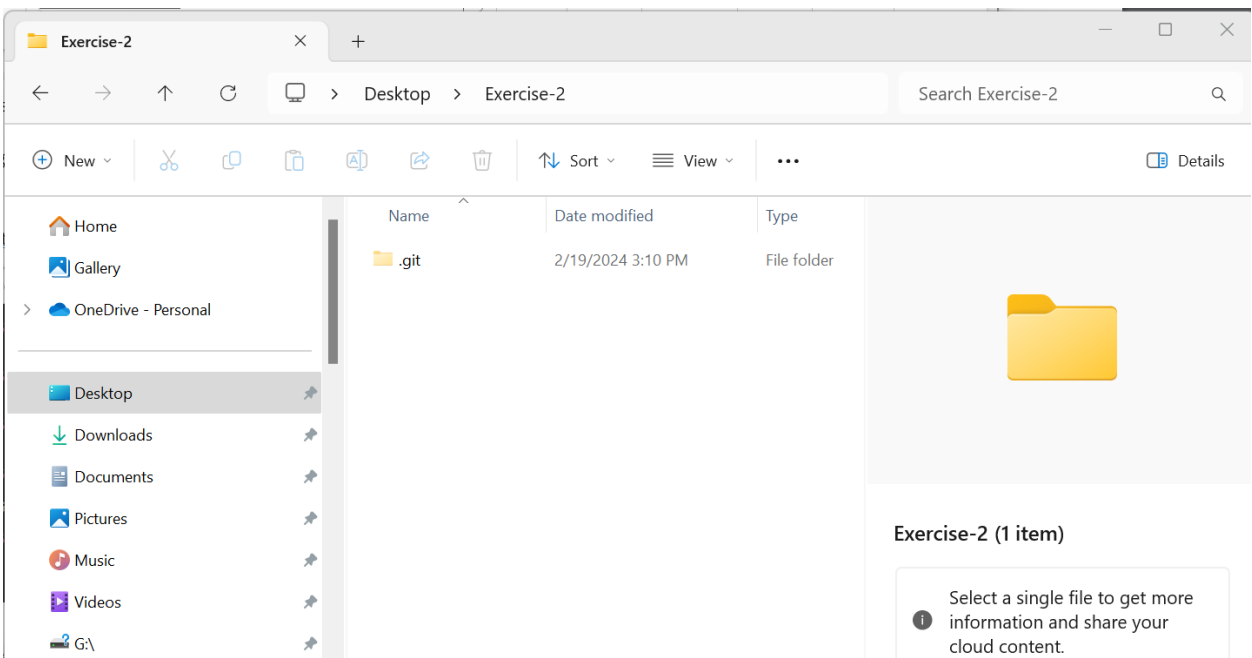
yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (main)
$ cd ..

yogit@YOGITA MINGW64 ~/Desktop
$ mkdir Exercise-2

yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-2

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$
```



- Create a files with names index.html and about.html

```
MINGW64:/c/Users/yogit/Desktop/Exercise-2

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (main)
$ cd ..

yogit@YOGITA MINGW64 ~/Desktop
$ mkdir Exercise-2

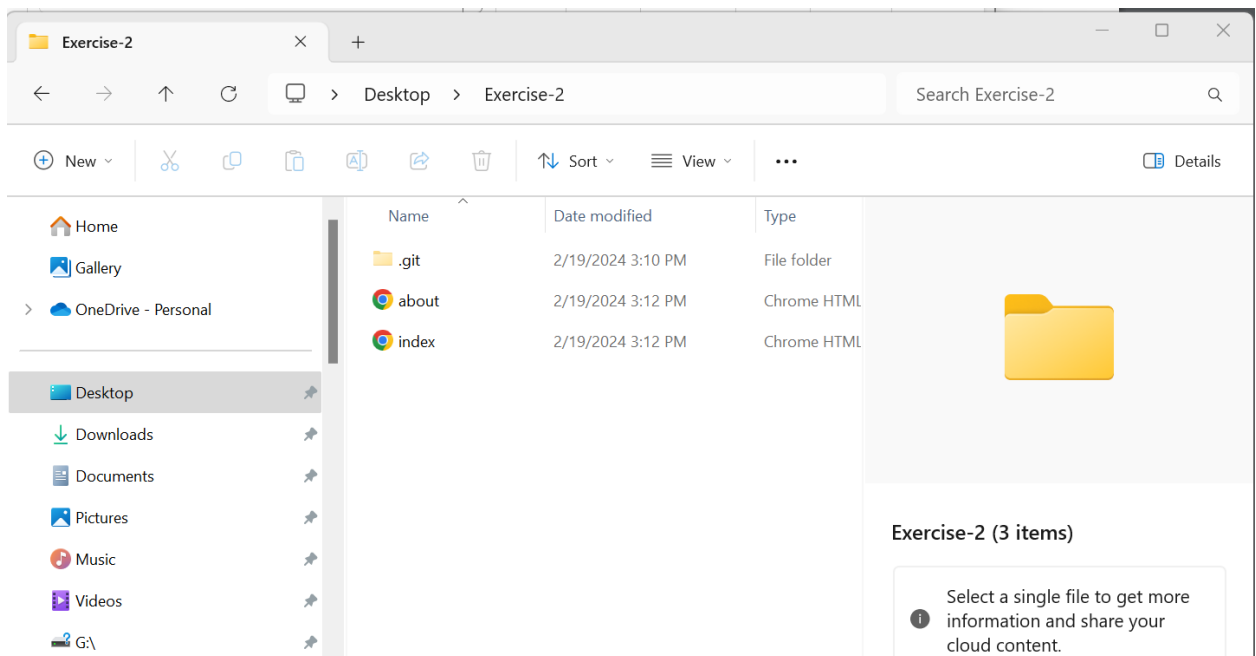
yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-2

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

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

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$
```



- Add code in both files.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-2

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (main)
$ cd ..

yogit@YOGITA MINGW64 ~/Desktop
$ mkdir Exercise-2

yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-2

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

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

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

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

yogit@YOGITA MINGW64 ~/Desktop/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/Exercise-2 (master)
$
```

```
MINGW64:/c/Users/yogit/Desktop/Exercise-2
about.html index.html

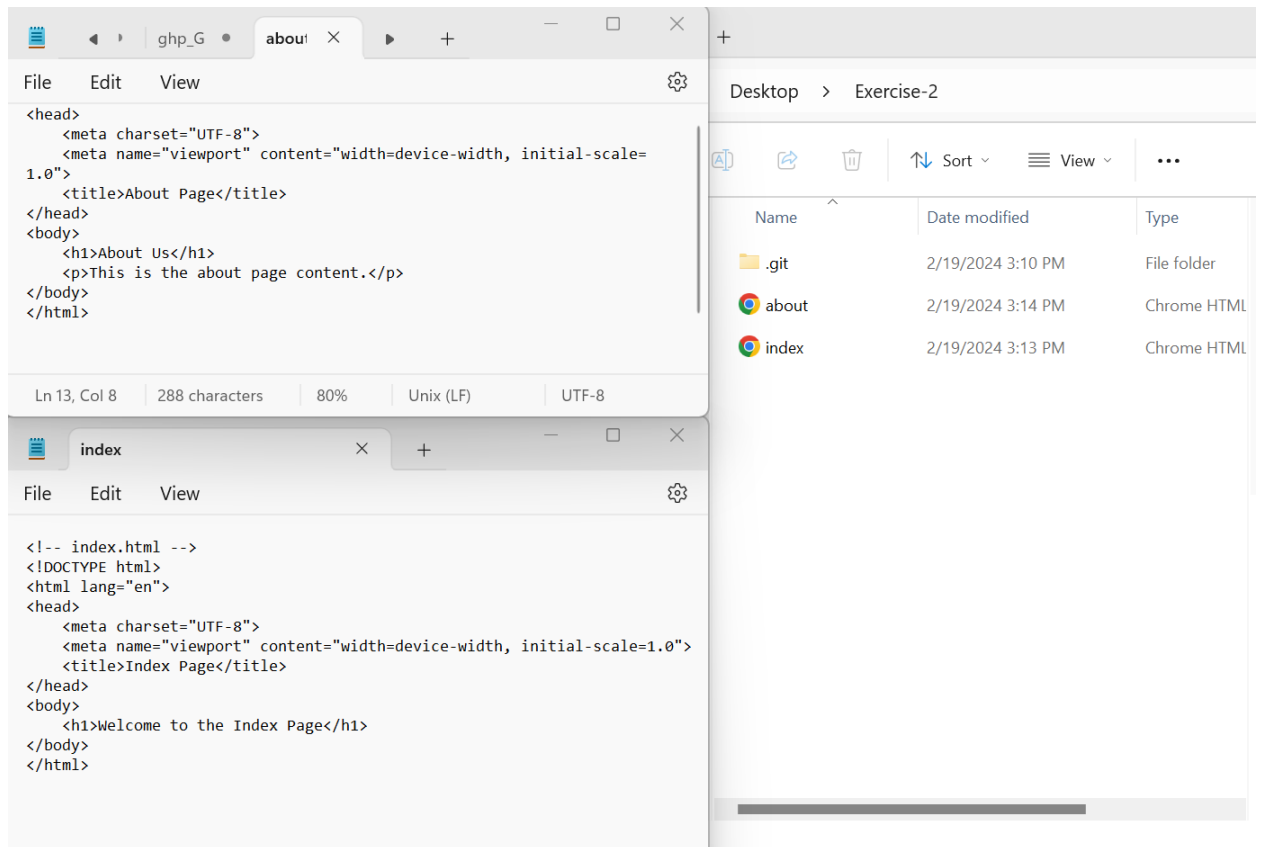
yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$ nano index.html

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

yogit@YOGITA MINGW64 ~/Desktop/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/Exercise-2 (master)
$
```



- Stage only one file.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-2
yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$ nano about.html

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

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)
    about.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$
```

- Commit with message: 'File x added.'

```
MINGW64: c:/Users/yogit/Desktop/Exercise-2
<p>This is the about page content.</p>
</body>
</html>

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

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)
        about.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$ git commit -m 'File index.html added.'
[master (root-commit) 86d3b21] File index.html added.
 1 file changed, 12 insertions(+)
 create mode 100644 index.html

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

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)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$
```

Using Github:

```
MINGW64:/c/Users/yogit/Desktop/Exercise-2/Exercise-2

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1/Exercise-1 (main)
$ cd ..

yogit@YOGITA MINGW64 ~/Desktop/Exercise-1 (main)
$ cd ..

yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-2

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$ git clone https://github.com/yogita-bugade/Exercise-2.git
Cloning into 'Exercise-2'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2 (master)
$ cd Exercise-2

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2/Exercise-2 (main)
$ git init
Reinitialized existing Git repository in C:/Users/yogit/Desktop/Exercise-2/Exercise-2/.git/

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2/Exercise-2 (main)
$ touch index.html about.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2/Exercise-2 (main)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2/Exercise-2 (main)
$ 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/Exercise-2/Exercise-2 (main)
$ nano about.html
```



```
MINGW64:/c:/Users/yogit/Desktop/Exercise-2/Exercise-2
yogit@YOGITA MINGW64 ~/Desktop/Exercise-2/Exercise-2 (main)
$ 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/Exercise-2/Exercise-2 (main)
$ git commit -m "about.html added"
[main 828ef25] about.html added
1 file changed, 13 insertions(+)
create mode 100644 about.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2/Exercise-2 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

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/Exercise-2/Exercise-2 (main)
$ git push --set-upstream origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 474 bytes | 474.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/yogita-bugade/Exercise-2.git
4a49269..828ef25 main -> main
branch 'main' set up to track 'origin/main'.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2/Exercise-2 (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)
index.html

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-2/Exercise-2 (main)
$
```

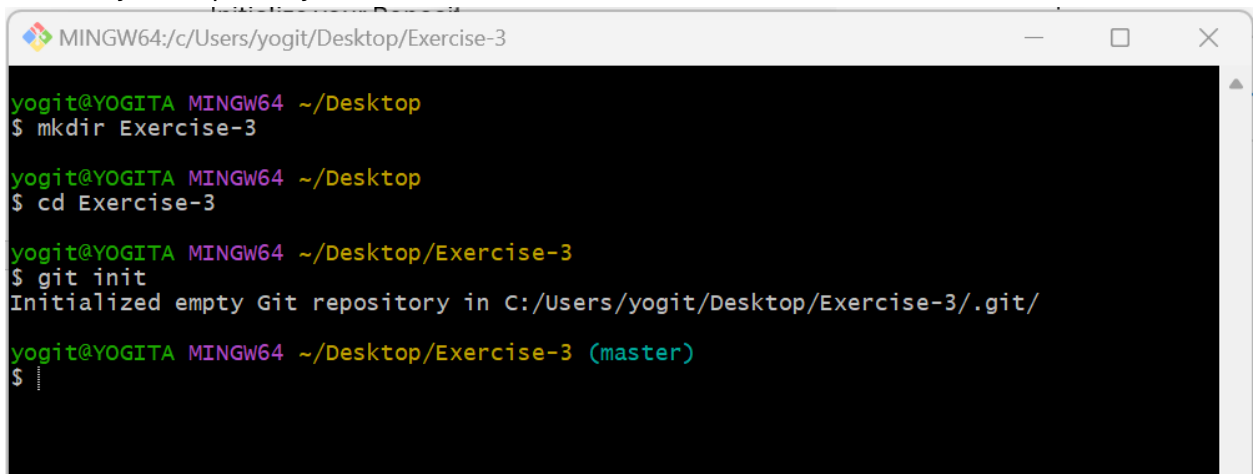
Assignment

### Exercise 3. Merge branch (No Conflicts).

- Initialize your Repository
- 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 myfeature branch.
- Now checkout master branch.
- Merge my-feature branch into master.

Solution:

- Initialize your Repository



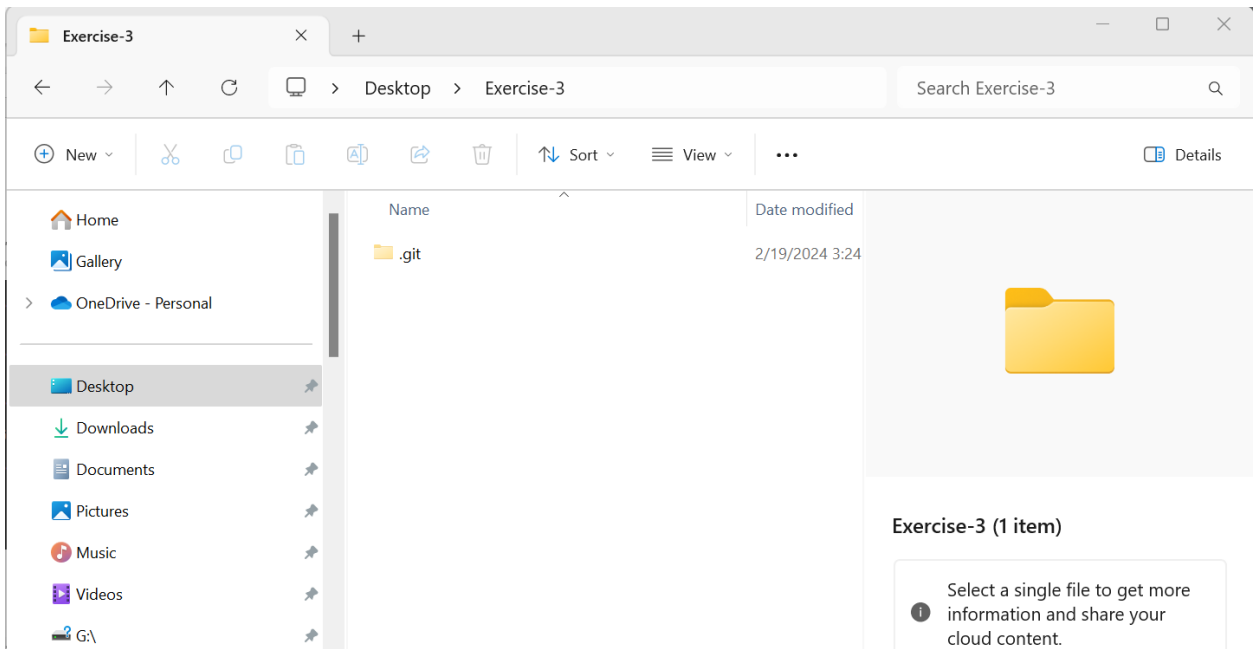
```
MINGW64:/c/Users/yogit/Desktop/Exercise-3

yogit@YOGITA MINGW64 ~/Desktop
$ mkdir Exercise-3

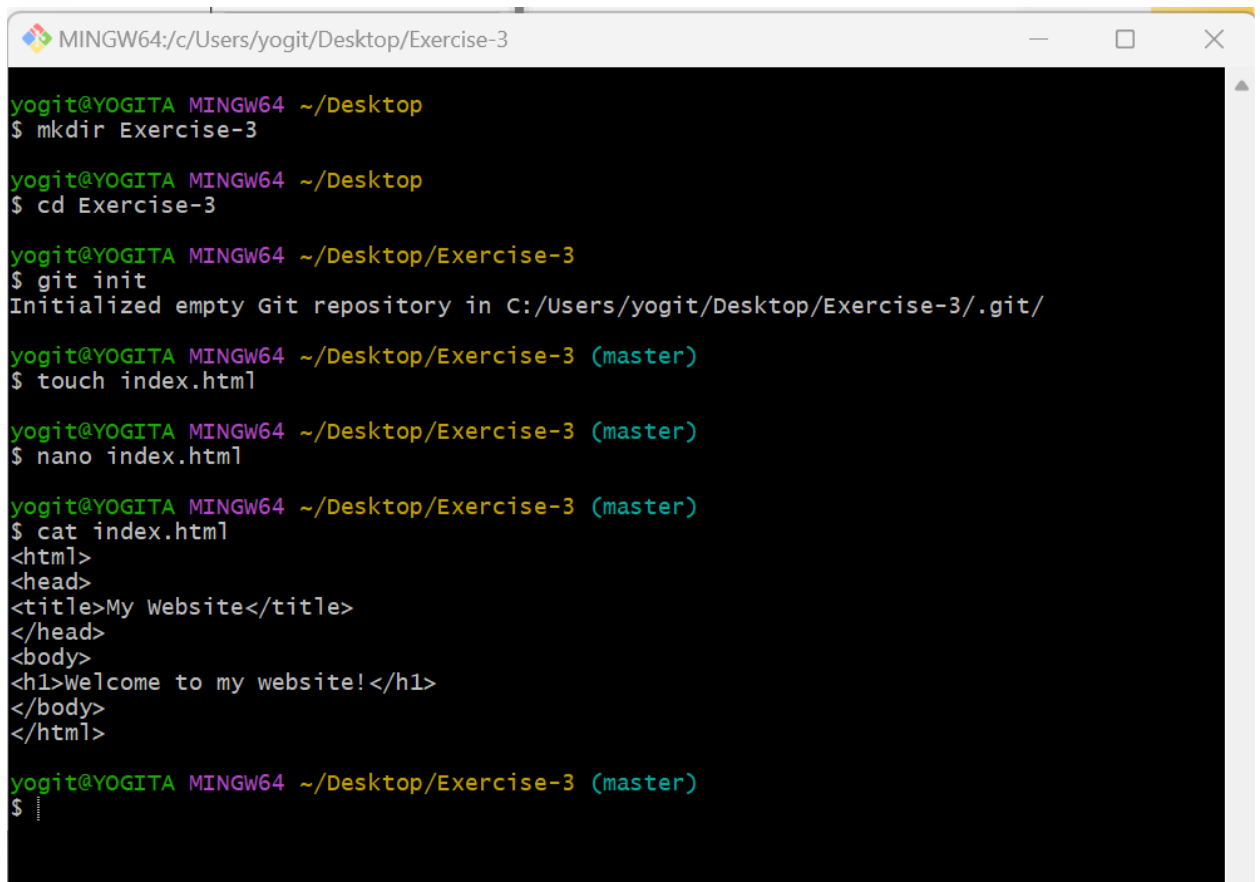
yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-3

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/Exercise-3/.git/

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$
```



- Create index.html file add some code.



```
MINGW64:/c/Users/yogit/Desktop/Exercise-3
yogit@YOGITA MINGW64 ~/Desktop
$ mkdir Exercise-3

yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-3

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3
$ git init
Initialized empty Git repository in C:/Users/yogit/Desktop/Exercise-3/.git/

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ cat index.html
<html>
<head>
<title>My Website</title>
</head>
<body>
<h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$
```

- Make Commit.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-3
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ cat index.html
<html>
<head>
<title>My Website</title>
</head>
<body>
<h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ git status
On branch master

No commits yet

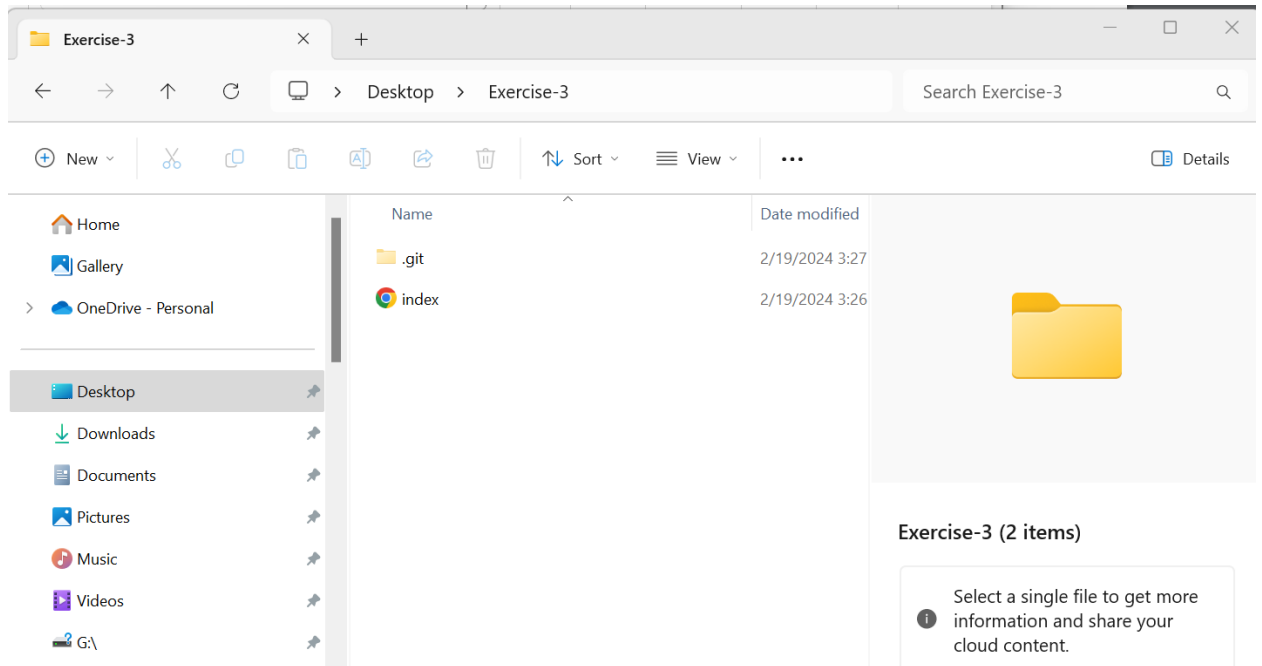
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (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/Exercise-3 (master)
$ git commit -m "Added index.html"
[master (root-commit) 758ea5a] Added index.html
 1 file changed, 8 insertions(+)
 create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ |
```



- Create new branch from master branch with name my-feature.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-3
yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ cat index.html
<html>
<head>
<title>My Website</title>
</head>
<body>
<h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (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)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (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/Exercise-3 (master)
$ git commit -m "Added index.html"
[master (root-commit) 758ea5a] Added index.html
1 file changed, 8 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$
```

- Add about-us.html file with code and commit changes in myfeature branch.

```
MINGW64/c/Users/yogit/Desktop/Exercise-3
yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ git commit -m "Added index.html"
[master (root-commit) 758ea5a] Added index.html
1 file changed, 8 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ touch about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ nano about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ cat about-us.html
<html>
<head>
<title>About Us</title>
</head>
<body>
<h1>About Us Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (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/Exercise-3 (my-feature)
$ git commit -m "Added about-us.html in my-feature branch"
[my-feature 9236dc1] Added about-us.html in my-feature branch
1 file changed, 8 insertions(+)
create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$
```

- Now checkout master branch.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-3
1 file changed, 8 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ touch about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ nano about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ cat about-us.html
<html>
<head>
<title>About Us</title>
</head>
<body>
<h1>About Us Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (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/Exercise-3 (my-feature)
$ git commit -m "Added about-us.html in my-feature branch"
[my-feature 9236dc1] Added about-us.html in my-feature branch
1 file changed, 8 insertions(+)
create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ git checkout master
Switched to branch 'master'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$
```

- Merge my-feature branch into master.



```
MINGW64:/c/Users/yogit/Desktop/Exercise-3
yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ cat about-us.html
<html>
<head>
<title>About Us</title>
</head>
<body>
<h1>About Us Page</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (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/Exercise-3 (my-feature)
$ git commit -m "Added about-us.html in my-feature branch"
[my-feature 9236dc1] Added about-us.html in my-feature branch
1 file changed, 8 insertions(+)
create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (my-feature)
$ git checkout master
Switched to branch 'master'

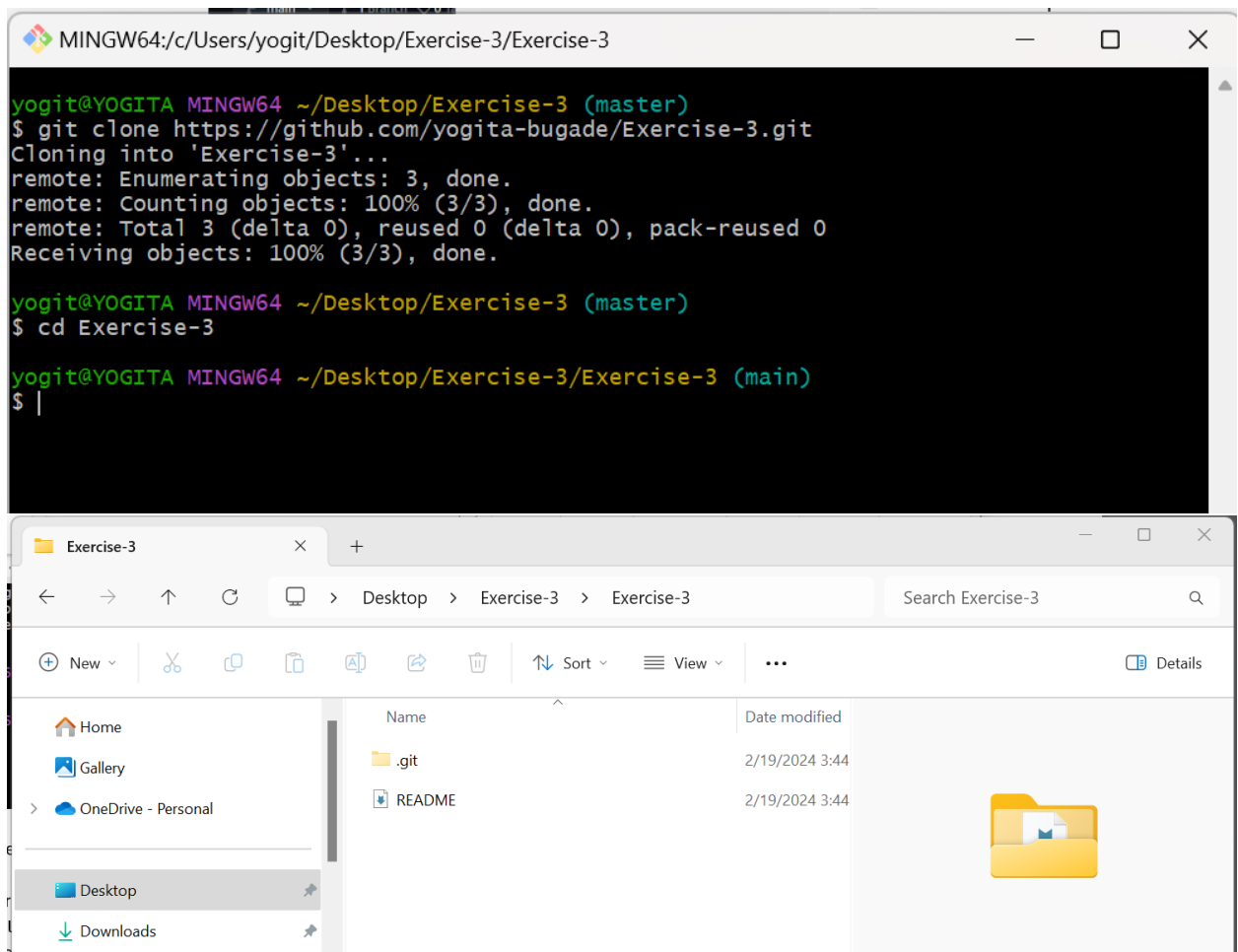
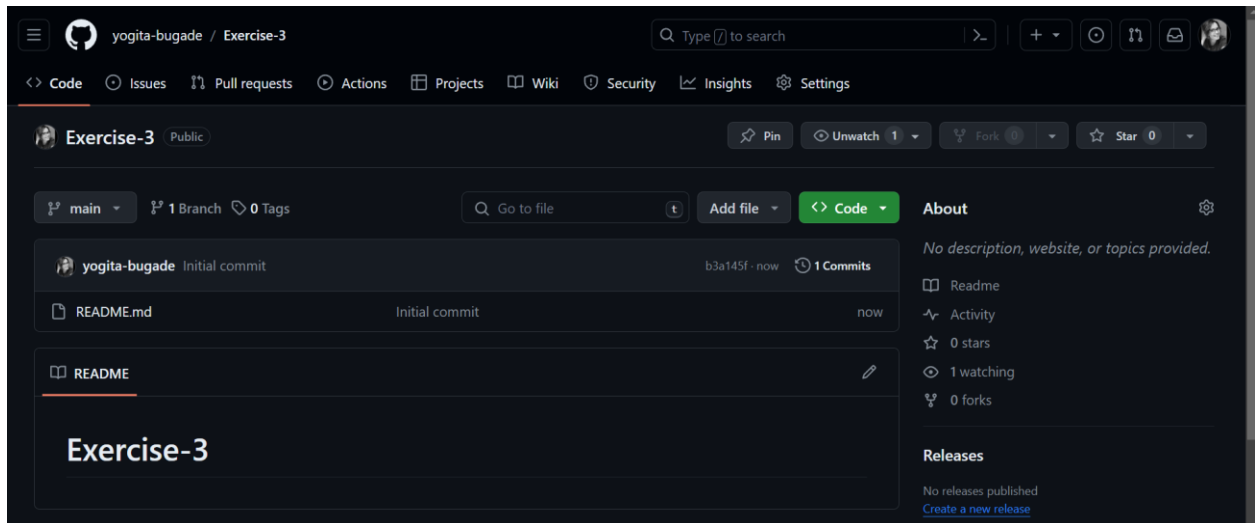
yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ git merge my-feature
Updating 758ea5a..9236dc1
Fast-forward
 about-us.html | 8 ++++++++
1 file changed, 8 insertions(+)
create mode 100644 about-us.html

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$
```

Using github repo:

- Initialize your Repository



- Create index.html file add some code.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-3/Exercise-3
yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ git clone https://github.com/yogita-bugade/Exercise-3.git
Cloning into 'Exercise-3'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ cd Exercise-3

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ cat index.html
<html>
<head>
<title>My Website</title>
</head>
<body>
<h1>welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$
```

- Make Commit.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-3/Exercise-3
yogit@YOGITA MINGW64 ~/Desktop/Exercise-3 (master)
$ cd Exercise-3

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ cat index.html
<html>
<head>
<title>My Website</title>
</head>
<body>
<h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ 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/Exercise-3/Exercise-3 (main)
$ git commit -m "Added code to index.html file"
[main 1af4c53] Added code to index.html file
1 file changed, 8 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$
```

- Create new branch from master branch with name my-feature.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-3/Exercise-3
<html>
<head>
<title>My Website</title>
</head>
<body>
<h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ 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/Exercise-3/Exercise-3 (main)
$ git commit -m "Added code to index.html file"
[main 1af4c53] Added code to index.html file
1 file changed, 8 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ git branch my-feature

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ git checkout -b my-feature
fatal: a branch named 'my-feature' already exists

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (main)
$ git checkout -b myfeature
Switched to a new branch 'myfeature'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$
```

- Add about-us.html file with code and commit changes in myfeature branch.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-3/Exercise-3
nothing added to commit but untracked files present (use "git add" to track)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$ git add .
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/Exercise-3/Exercise-3 (myfeature)
$ git commit -m "Added about us.html to my feature branch"
[myfeature b4884df] Added about us.html to my feature branch
1 file changed, 2 insertions(+)
create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$ git status
On branch myfeature
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$ git checkout master
error: pathspec 'master' did not match any file(s) known to git

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$ git push --set-upstream origin myfeature
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 16 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 670 bytes | 670.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'myfeature' on GitHub by visiting:
remote:   https://github.com/yogita-bugade/Exercise-3/pull/new/myfeature
remote:
To https://github.com/yogita-bugade/Exercise-3.git
 * [new branch]      myfeature -> myfeature
branch 'myfeature' set up to track 'origin/myfeature'.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$
```

- Now checkout master branch.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-3/Exercise-3
nothing added to commit but untracked files present (use "git add" to track)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$ git add .
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/Exercise-3/Exercise-3 (myfeature)
$ git commit -m "Added about us.html to my feature branch"
[myfeature b4884df] Added about us.html to my feature branch
1 file changed, 2 insertions(+)
 create mode 100644 about-us.html

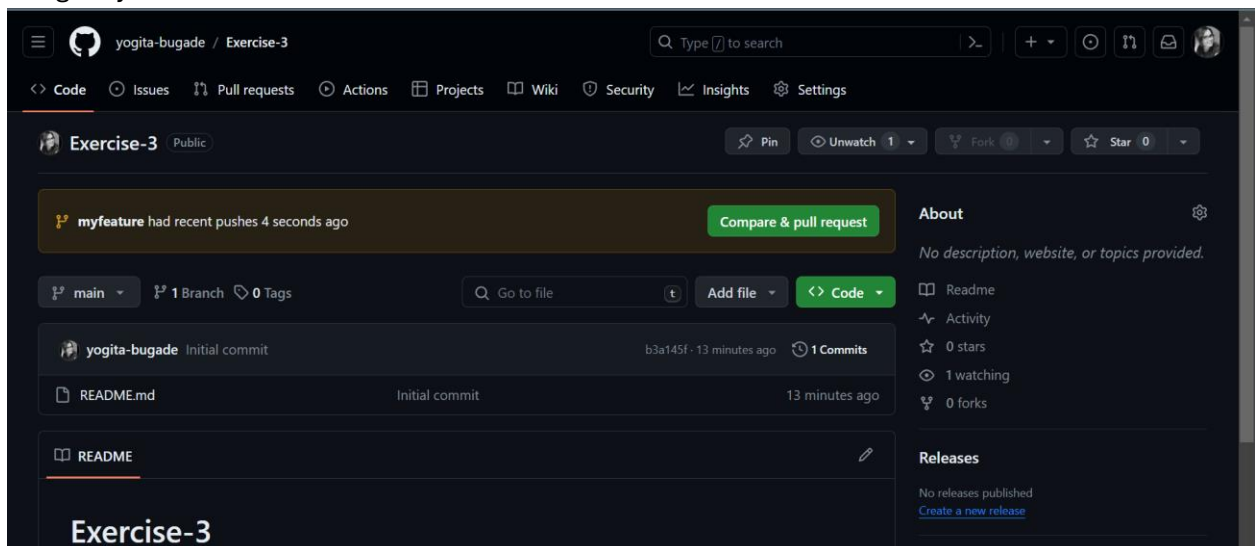
yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$ git status
On branch myfeature
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$ git checkout master
error: pathspec 'master' did not match any file(s) known to git

yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$ git push --set-upstream origin myfeature
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 16 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 670 bytes | 670.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'myfeature' on GitHub by visiting:
remote:   https://github.com/yogita-bugade/Exercise-3/pull/new/myfeature
remote:
To https://github.com/yogita-bugade/Exercise-3.git
 * [new branch]      myfeature -> myfeature
branch 'myfeature' set up to track 'origin/myfeature'.

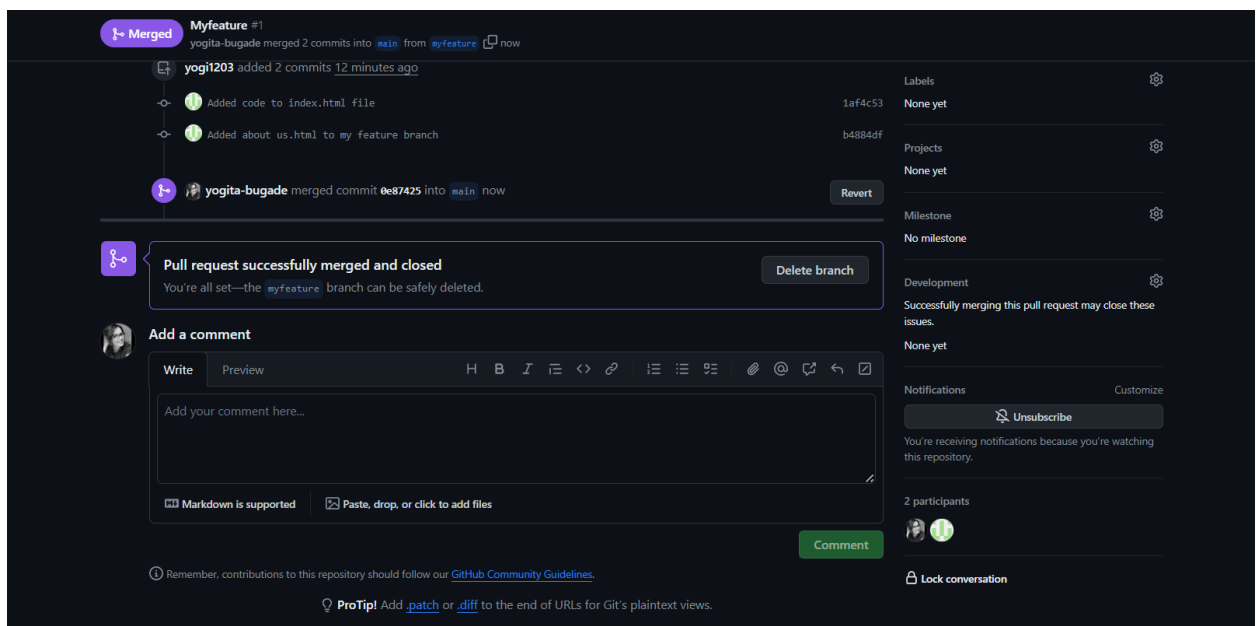
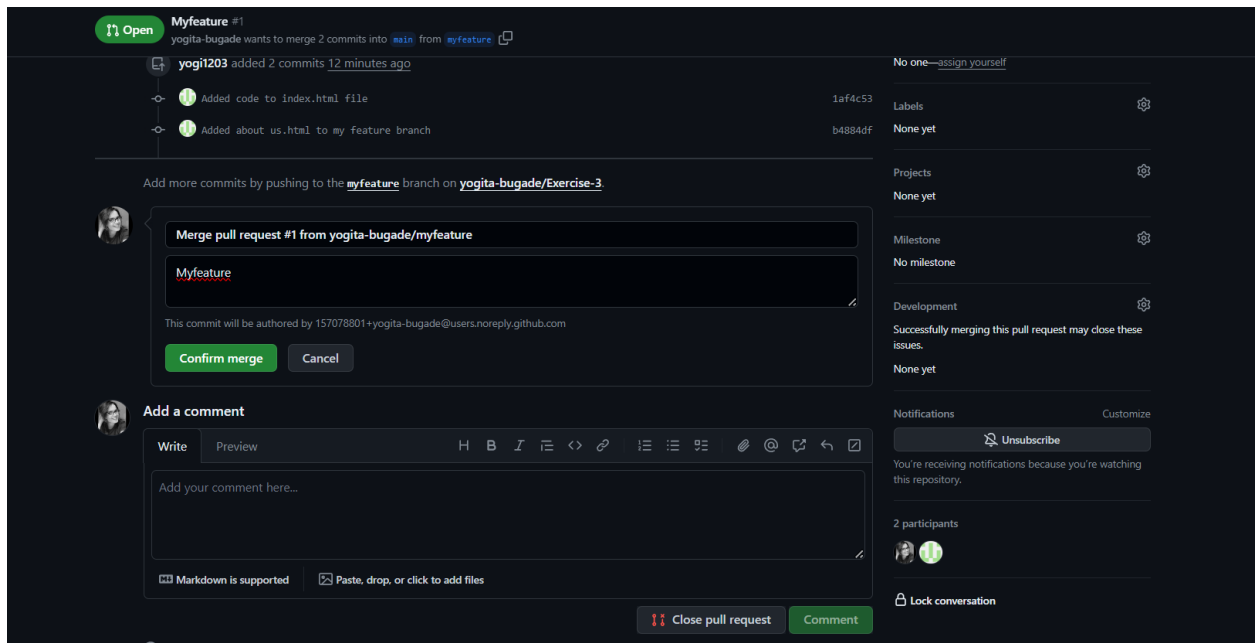
yogit@YOGITA MINGW64 ~/Desktop/Exercise-3/Exercise-3 (myfeature)
$
```

- Merge my-feature branch into master.









## Assignment

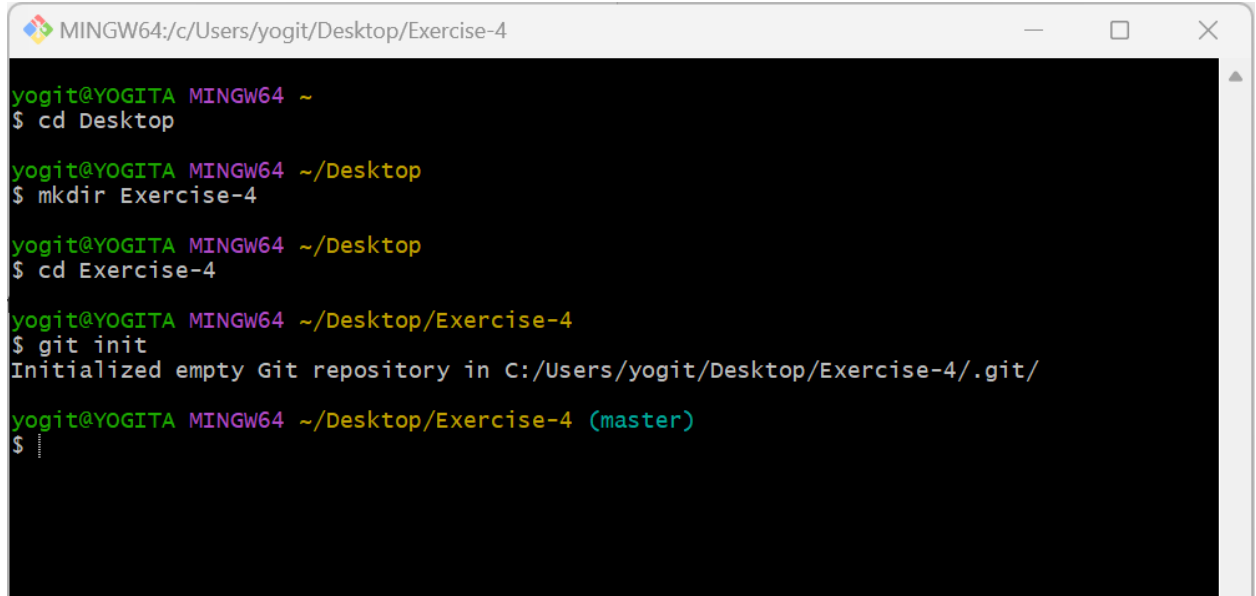
### Exercise 4. Merge branch (Conflicts).

- Initialize your Repository
- 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.

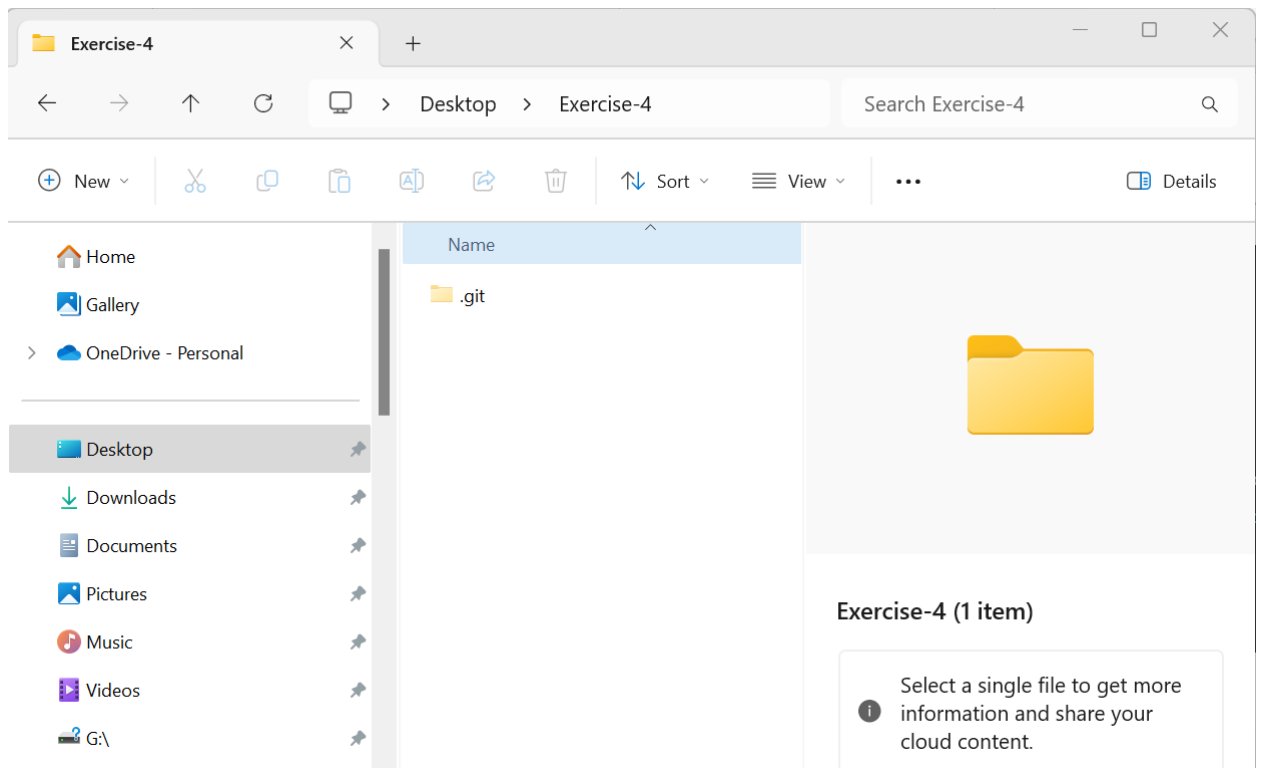
- Now checkout master branch.
- Do some code changes in index.html
- Commit changes.
- Now merge my-feature branch into master.
- You will get conflicts for index.html file. Resolve conflict by selecting both changes for the same index.html file.

Solution:

- Initialize your Repository

A screenshot of a Windows terminal window titled 'MINGW64:/c/Users/yogit/Desktop/Exercise-4'. The terminal shows the following commands and output:

```
yogit@YOGITA MINGW64 ~  
$ cd Desktop  
  
yogit@YOGITA MINGW64 ~/Desktop  
$ mkdir Exercise-4  
  
yogit@YOGITA MINGW64 ~/Desktop  
$ cd Exercise-4  
  
yogit@YOGITA MINGW64 ~/Desktop/Exercise-4  
$ git init  
Initialized empty Git repository in C:/Users/yogit/Desktop/Exercise-4/.git/  
  
yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)  
$ |
```



- Create index.html file add some code.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
yogit@YOGITA MINGW64 ~
$ cd Desktop

yogit@YOGITA MINGW64 ~/Desktop
$ mkdir Exercise-4

yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-4

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$
```

- Make Commit.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
<title>My Website</title>
</head>
<body>
  <h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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/Exercise-4 (master)
$ git statis
git: 'statis' is not a git command. See 'git --help'.

The most similar command is
    status

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git status
On branch master

No commits yet

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git commit -m "index.html added"
[master (root-commit) 51c0dff] index.html added
1 file changed, 9 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git status
On branch master
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ |
```

- Create new branch from master branch with name my-feature

```
MINGW64: c:/Users/yogit/Desktop/Exercise-4
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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/Exercise-4 (master)
$ git statis
git: 'statis' is not a git command. See 'git --help'.

The most similar command is
    status

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git status
On branch master

No commits yet

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git commit -m "index.html added"
[master (root-commit) 51c0dff] index.html added
 1 file changed, 9 insertions(+)
 create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git status
On branch master
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ |
```

- Add about-us.html file with code

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ touch about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ nano about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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/Exercise-4 (my-feature)
$
```

- Make changes in index.html

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4

<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/Exercise-4 (my-feature)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Hello there,Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$
```

- Commit changes in my-feature branch.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
</head>
<body>
  <h1>Hello there,Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ git add index.html about-us.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
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/Exercise-4 (my-feature)
$ git commit -m "Updated index.html and added about-us.html in my-feature branch"
[my-feature 041ad5b] Updated index.html and added about-us.html in my-feature branch
 2 files changed, 11 insertions(+), 1 deletion(-)
 create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ git status
On branch my-feature
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$
```

- Now checkout master branch.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ git add index.html about-us.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
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/Exercise-4 (my-feature)
$ git commit -m "Updated index.html and added about-us.html in my-feature branch"
[my-feature 041ad5b] Updated index.html and added about-us.html in my-feature branch
 2 files changed, 11 insertions(+), 1 deletion(-)
 create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ git status
On branch my-feature
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ git checkout master
Switched to branch 'master'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$
```

- Do some code changes in index.html



```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ git status
On branch my-feature
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (my-feature)
$ git checkout master
Switched to branch 'master'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My website</title>
</head>
<body>
  <h1>Welcome to my awesome website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$
```

- Commit changes.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
</head>
<body>
  <h1>Welcome to my awesome website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git add .

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git commit -m "Updated index.html in master branch"
[master 10d6872] Updated index.html in master branch
 1 file changed, 1 insertion(+), 1 deletion(-)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$
```

- Now merge my-feature branch into master.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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

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

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git add .

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git commit -m "Updated index.html in master branch"
[master 10d6872] Updated index.html in master branch
1 file changed, 1 insertion(+), 1 deletion(-)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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/Exercise-4 (master|MERGING)
$
```

- You will get conflicts for index.html file. Resolve conflict by selecting both changes for the same index.html file.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
GNU nano 7.2 index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
<<<<<<< HEAD
  <h1>Welcome to my awesome website!</h1>
=====
  <h1>Hello there,Welcome to my website!</h1>
>>>>>>> my-feature
</body>
</html>

[ Read 13 lines (Converted from DOS format) ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4
1 file changed, 1 insertion(+), 1 deletion(-)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (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/Exercise-4 (master|MERGING)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master|MERGING)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master|MERGING)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Hello there,Welcome to my awesome website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master|MERGING)
$ git merge my-feature
error: Merging is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <fi
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master|MERGING)
$ git add .

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master|MERGING)
$ git commit -m "changes committed"
[master b23cc2f] changes committed

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git merge my-feature
Already up to date.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git staus
git: 'staus' is not a git command. See 'git --help'.

The most similar command is
    status

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Using Github:

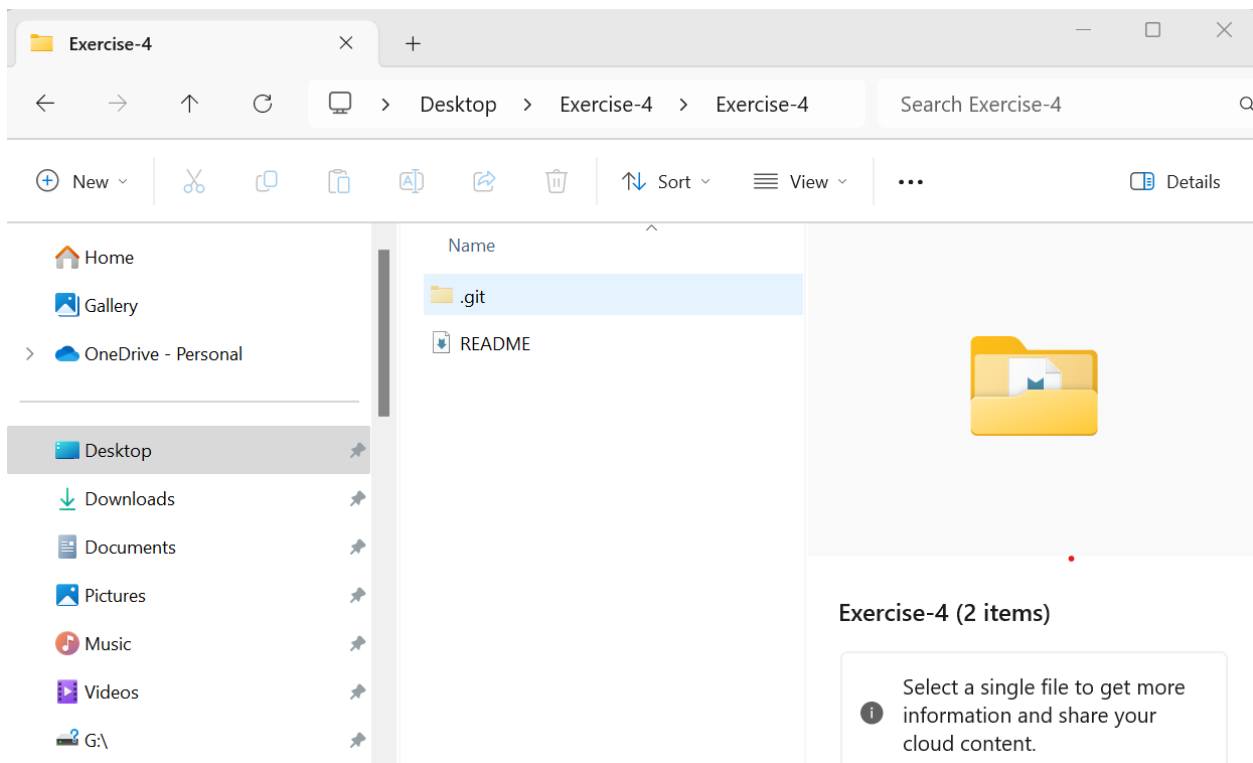
- Initialize your Repository

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4/Exercise-4
yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-4

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git clone https://github.com/yogita-bugade/Exercise-4.git
Cloning into 'Exercise-4'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ cd Exercise-4

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$
```



- Create index.html file add some code.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4/Exercise-4
yogit@YOGITA MINGW64 ~/Desktop
$ cd Exercise-4

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ git clone https://github.com/yogita-bugade/Exercise-4.git
Cloning into 'Exercise-4'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ cd Exercise-4

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$
```

- Make Commit.

```

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4 (master)
$ cd Exercise-4

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ 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/Exercise-4/Exercise-4 (main)
$ git commit -m "Added code in index.html file"
[main ee90517] Added code in index.html file
1 file changed, 9 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$

```

- Create new branch from master branch with name my-feature.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4/Exercise-4
yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ touch index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ 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/Exercise-4/Exercise-4 (main)
$ git commit -m "Added code in index.html file"
[main ee90517] Added code in index.html file
1 file changed, 9 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git branch my-feature

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git checkout -b my-feature
fatal: a branch named 'my-feature' already exists

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git checkout -b myfeature
Switched to a new branch 'myfeature'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$
```

- Add about-us.html file with code

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4/Exercise-4
yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ 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/Exercise-4/Exercise-4 (main)
$ git commit -m "Added code in index.html file"
[main ee90517] Added code in index.html file
1 file changed, 9 insertions(+)
create mode 100644 index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git branch my-feature

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git checkout -b my-feature
fatal: a branch named 'my-feature' already exists

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git checkout -b myfeature
Switched to a new branch 'myfeature'

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ touch about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ nano about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ 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/Exercise-4/Exercise-4 (myfeature)
$
```

- Make changes in index.html



- Commit changes in my-feature branch.

```

MINGW64:/c/Users/yogit/Desktop/Exercise-4/Exercise-4
yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Hey Welcome to my website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF
the next time Git touches it
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/Exercise-4/Exercise-4 (myfeature)
$ git commit -m "changes index.html"
[myfeature 276e48e] changes index.html
2 files changed, 11 insertions(+), 1 deletion(-)
create mode 100644 about-us.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ git status
On branch myfeature
nothing to commit, working tree clean

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ git checkout master
error: pathspec 'master' did not match any file(s) known to git

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ git push --set-upstream origin myfeature
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 16 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 795 bytes | 795.00 KiB/s, done.
Total 7 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'myfeature' on GitHub by visiting:
remote:   https://github.com/yogita-bugade/Exercise-4/pull/new/myfeature

```

- Now checkout master branch.
- Do some code changes in index.html
- Commit changes.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4/Exercise-4
remote:      https://github.com/yogita-bugade/Exercise-4/pull/new/myfeature
remote:
To https://github.com/yogita-bugade/Exercise-4.git
 * [new branch]      myfeature -> myfeature
branch 'myfeature' set up to track 'origin/myfeature'.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (myfeature)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ nano index.html

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Welcome to my awesome website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git add .

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git commit -m "index.html changed"
[main 416b37f] index.html changed
 1 file changed, 1 insertion(+), 1 deletion(-)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git merger myfeature
git: 'merger' is not a git command. See 'git --help'.

The most similar command is
    merge

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git merge myfeature
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/Exercise-4/Exercise-4 (main|MERGING)
$ git push --set-upstream origin myfeature
```

- Now merge my-feature branch into master.

```
MINGW64:/c/Users/yogit/Desktop/Exercise-4/Exercise-4
yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ cat index.html
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <h1>Welcome to my awesome website!</h1>
</body>
</html>

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git add .

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git commit -m "index.html changed"
[main 416b37f] index.html changed
1 file changed, 1 insertion(+), 1 deletion(-)

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git merger myfeature
git: 'merger' is not a git command. See 'git --help'.

The most similar command is
    merge

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main)
$ git merge myfeature
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/Exercise-4/Exercise-4 (main|MERGING)
$ git push --set-upstream origin myfeature
Everything up-to-date
branch 'myfeature' set up to track 'origin/myfeature'.

yogit@YOGITA MINGW64 ~/Desktop/Exercise-4/Exercise-4 (main|MERGING)
$ git push --set-upstream origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 325 bytes | 325.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/yogita-bugade/Exercise-4.git
   0d22274..416b37f  main -> main
branch 'main' set up to track 'origin/main'.
```

- You will get conflicts for index.html file. Resolve conflict by selecting both changes for the same index.html file.

## Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons here](#).

base: main ← compare: myfeature ✖ Can't automatically merge. Don't worry, you can still create the pull request.



### Add a title

changes index.html

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Use [Closing keywords](#) in the description to automatically close issues

Helpful resources

[GitHub Community Guidelines](#)

### Add a description

Write

Preview

H B I

Add your description here...

Markdown is supported

Paste, drop, or click to add files

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

changes index.html

yogit203 committed 5 minutes ago

276e48e

Showing 2 changed files with 11 additions and 1 deletion.

Split Unified

about-us.html

```
@@ -0,0 +1,10 @@
1 + <!DOCTYPE html>
2 + <html>
3 + <head>
4 +   <title>About Us</title>
5 + </head>
6 + <body>
7 +   <h1>About Us</h1>
8 +   <p>This is the about us page.</p>
9 + </body>
10 + </html>
```

index.html

```
@@ -4,6 +4,6 @@
4   <title>My Website</title>
5   </head>
6   <body>
7 -   <h1>Welcome to my website!</h1>
7 +   <h1>Hey Welcome to my website!</h1>
8   </body>
9   </html>
```

# changes index.html #1

Open

yogita-bugade wants to merge 1 commit into `main` from `myfeature`

Conversation 0

Commits 1

Checks 0

Files changed 2

+11 -1

yogita-bugade commented now

Owner

No description provided.

changes index.html276e48e

Add more commits by pushing to the `myfeature` branch on `yogita-bugade/Exercise-4`.

This branch has conflicts that must be resolved

Use the [web editor](#) or the [command line](#) to resolve conflicts.

Conflicting files

index.html

Merge pull request

You can also [open this in GitHub Desktop](#) or [view command line instructions](#).

Add a comment

WritePreview

HBI<>@🔗📎🗑️↩️📄

Reviewers

No reviews

Still in progress? [Convert to draft](#)

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

Open

changes index.html #1

yogita-bugade wants to merge 1 commit into `main` from `myfeature`

This branch has conflicts that must be resolved

Use the [web editor](#) or the [command line](#) to resolve conflicts.

Conflicting files

index.html

Merge pull request

You can also [open this in GitHub Desktop](#) or [view command line instructions](#).

Add a comment

WritePreview

Add your comment here...

Markdown is supported

Paste, drop, or click to add files

Close pull request

Comment

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

Unsubscribe

You're receiving notifications because you're watching this repository.

2 participants

Lock conversation

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

ProTip! Add comments to specific lines under [Files changed](#).

yogita-bugade / Exercise-4

CodeIssuesPull requests1ActionsProjectsWikiSecurityInsightsSettings

changes index.html #1

Resolving conflicts between myfeature and main and committing changes → myfeature

1 conflicting file

index.html  
index.html

1 conflict

Prev

Next

Mark as resolved

1

<!DOCTYPE html>

2

<html>

3

<head>

4

<title>My Website</title>

5

</head>

6

<body>

7

<div><div>myfeature

8

<div>Hey Welcome to my website</div>

9

</div>

10

<div>Welcome to my awesome website</div>

11

</div></body></html>

12

</body>

13

</html>

14

yogita-bugade / Exercise-4

CodeIssuesPull requests1ActionsProjectsWikiSecurityInsightsSettings

changes index.html #1

Resolving conflicts between myfeature and main and committing changes → myfeature

1 conflicting file

index.html  
index.html

1 conflict

Prev

Next

Mark as resolved

1

<!DOCTYPE html>

2

<html>

3

<head>

4

<title>My Website</title>

5

</head>

6

<body>

7

<div>Hey Welcome to my awesome website</div>

8

</div>

9

</body>

10

</html>

11

yogita-bugade / Exercise-4

CodeIssuesPull requests1ActionsProjectsWikiSecurityInsightsSettings

changes index.html #1

Resolving conflicts between myfeature and main and committing changes → myfeature

1 conflicting file

index.html  
index.html

Commit merge

Resolved

1

<!DOCTYPE html>

2

<html>

3

<head>

4

<title>My Website</title>

5

</head>

6

<body>

7

<div>Hey Welcome to my awesome website</div>

8

</div>

9

</body>

10

</html>

11

# changes index.html #1

Open

yogita-bugade wants to merge 2 commits into `main` from `myfeature`

Conversation 0

Commits 2

Checks 0

Files changed 2

+11 -1

yogita-bugade commented 2 minutes ago

Owner

...

No description provided.

changes index.html

276e48e

Merge branch 'main' into myfeature

Verified

a285bb3

Add more commits by pushing to the `myfeature` branch on [yogita-bugade/Exercise-4](#).

Require approval from specific reviewers before merging

Rulesets ensure specific people approve pull requests before they're merged.

Add rule

×

Continuous integration has not been set up

[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.

✓ This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Reviewers

No reviews

Still in progress? [Convert to draft](#)

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

Unsubscribe

Open

changes index.html #1

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Add a comment

Write

Preview

H B I

Add your comment here...

Markdown is supported

Paste, drop, or click to add files

Close pull request

Comment

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

ProTip! Add comments to specific lines under [Files changed](#).

Milestone

No milestone

Development

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None yet

Notifications

Customize

Unsubscribe

You're receiving notifications because you're watching this repository.

2 participants

Lock conversation

