Exercise-1 : Create your first commit


```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-1

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-1

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-1
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exerc
ise-1/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-1 (master)
$ nano index.html
```



```
  GNU nano 4.9.3                    index.html                    Modified
<!DOCTYPE html>
<html>
<body>

<h1>This is the Heading</h1>
<p>This is a paragraph</p>

</body>
</html>




^G Get Help     ^O Write Out     ^W Where Is     ^K Cut Text     ^J Justify
^X Exit         ^R Read File     ^\ Replace      ^U Paste Text    ^T To Spell
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-1

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-1

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-1
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exerc
ise-1/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-1 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-1 (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-1 (master)
$ git commit -m "Adding index.html file"
[master (root-commit) 91b2650] Adding index.html file
 1 file changed, 9 insertions(+)
 create mode 100644 index.html
```

Exercise-2 : Commit only one file.


```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exerci
se-2
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-2/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ |
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exerci
se-2
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-2/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ nano index.html
```

```
  GNU nano 4.9.3                    index.html
<!DOCTYPE html>
<html>
<body>

<h1>This is the heading for Exercise-2</h1>
<p>This is a paragraph for Exercise-2</p>

</body>
</html>




                           [ Wrote 9 lines ]
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify
^X Exit        ^R Read File   ^\ Replace     ^U Paste Text  ^T To Spell
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exerci
se-2
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-2/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ nano about.html
```



```
  GNU nano 4.9.3                    about.html                    Modified
<!DOCTYPE html>
<html>
<body>

<h1>This is heading for about</h1>
<p>We are in about file</p>

</body>
</html>




^G Get Help     ^O Write Out    ^W Where Is     ^K Cut Text     ^J Justify
^X Exit         ^R Read File    ^\ Replace      ^U Paste Text   ^T To Spell
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exerci
se-2
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-2/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ nano about.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$
```



```
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-2

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exerci
se-2
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-2/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ nano about.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$ git commit -m "File index.html added"
[master (root-commit) fdbd8ed] File index.html added
 1 file changed, 9 insertions(+)
 create mode 100644 index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-2 (master)
$
```

Question 3: Modify Last Commit


```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-3

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-3

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-3/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$
```



```
  GNU nano 4.9.3                     index.html                          Modified
<!DOCTYPE html>
<html>
<body>
<h1> This is the heading for Exercise-3 </h1>
<p> This is a paragraph for Exercise-3 </p>
</body>
</html>




^G Get Help     ^O Write Out    ^W Where Is     ^K Cut Text     ^J Justify
^X Exit         ^R Read File    ^\ Replace      ^U Paste Text   ^T To Spell
```



```
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-3

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-3

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-3/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ git commit -m "adding index.html"
[master (root-commit) be435aa] adding index.html
 1 file changed, 7 insertions(+)
 create mode 100644 index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$
```

```
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-3

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-3

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-3/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ git commit -m "adding index.html"
[master (root-commit) be435aa] adding index.html
 1 file changed, 7 insertions(+)
 create mode 100644 index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ nano about.html
```

```
  GNU nano 4.9.3                    about.html                      Modified
<!DOCTYPE html>
<html>
<body>
<h1> This is inside about </h1>
<p> This is a paragraph in about </p>
</body>
</html>
```

```
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify
^X Exit        ^R Read File   ^\ Replace     ^U Paste Text  ^T To Spell
```

```
      C:/Users/aditi/Desktop/Exercise-3/.git/COMMIT_EDITMSG         Modified
adding index.html and about.html

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:        Sat Jun 12 09:06:44 2021 -0400
#
# On branch master
#
# Initial commit
#
# Changes to be committed:
#       new file:   about.html
#       new file:   index.html
#
```

```
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify
^X Exit        ^R Read File   ^\ Replace     ^U Paste Text  ^T To Spell
```

```
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ git commit -m "adding index.html"
[master (root-commit) be435aa] adding index.html
 1 file changed, 7 insertions(+)
 create mode 100644 index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ nano about.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ git add .
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$ git commit --amend
[master 5f8fc85] adding index.html and about.html
 Date: Sat Jun 12 09:06:44 2021 -0400
 2 files changed, 15 insertions(+)
 create mode 100644 about.html
 create mode 100644 index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-3 (master)
$
```

Question 4: Create git ignore file


```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-4

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-4

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-4/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4 (master)
$ touch .gitignore

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4 (master)
$
```



```
aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-4

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-4

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-4/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4 (master)
$ touch .gitignore

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4 (master)
$ vim .gitignore
```

```
MINGW64:/c/Users/aditi/Desktop/Exercise-4                        —    □    ×
*.exe
*.o
*.jar
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
.gitignore[+] [unix] (09:47 12/06/2021)                        3,3 All
-- INSERT --
```



```
MINGW64:/c/Users/aditi/Desktop/Exercise-4                        —    □    ×
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-4

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-4/.gi
t/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4 (master)
$ touch .gitignore

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4 (master)
$ vim .gitignore

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4 (master)
$ git add .gitignore
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-4 (master)
$ git commit -m "adding .gitignore" .gitignore
```

Question 5: Save your work with stash

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

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ echo "I am loving the exercise" >> a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (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:   a.txt

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

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git commit -m "Made changes in a.txt"
[master 3509609] Made changes in a.txt
 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status
On branch master
nothing to commit, working tree clean

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ echo "I am learning a lot of things" >> a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (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:   a.txt

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

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git commit -m "Modifier a.txt"
[master a26b587] Modifier a.txt
 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
```

```
  (use "git restore <file>..." to discard changes in working directory)
        modified:   a.txt

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

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git commit -m "Modifier a.txt"
[master a26b587] Modifier a.txt
 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ echo "This is a good learning" >> a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git commit -m "Again modifier a.txt"
[master 7bc29f6] Again modifier a.txt
 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ echo "I have laready learned a lot of things" >> a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git commit -am "Changes the file a.txt"
[master 368db62] Changes the file a.txt
 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status
On branch master
nothing to commit, working tree clean

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git ls-files -s
100644 b7f8a6d89ca1214a5cde95d6fa6a3aa8a2bac489 0       a.txt
100644 c694995f4a702c2b195f6442f21f8db44a9e444f 0       b.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
```

```
100644 b7f8a6d89ca1214a5cde95d6fa6a3aa8a2bac489 0       a.txt
100644 c694995f4a702c2b195f6442f21f8db44a9e444f 0       b.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status
On branch master
nothing to commit, working tree clean

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git reset --soft

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status
On branch master
nothing to commit, working tree clean

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ echo "I am enjoying learning" >> a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git ls-files -s
100644 8024428d38cf3123a3c18147014e793de6b1a548 0       a.txt
100644 c694995f4a702c2b195f6442f21f8db44a9e444f 0       b.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git reset --soft

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git ls-files -s
100644 8024428d38cf3123a3c18147014e793de6b1a548 0       a.txt
100644 c694995f4a702c2b195f6442f21f8db44a9e444f 0       b.txt
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git ls-files -s
100644 8024428d38cf3123a3c18147014e793de6b1a548 0       a.txt
100644 c694995f4a702c2b195f6442f21f8db44a9e444f 0       b.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git commit -m "Changes done to a.txt"
[master 6d7f477] Changes done to a.txt
 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git log
commit 6d7f4779b30dd98173089583449c8e40ebec7e0e (HEAD -> master)
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:11:04 2021 -0400

    Changes done to a.txt

commit 368db629ae4c8ea2a9d145687722122724ac35a8
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:05:21 2021 -0400

    Changes the file a.txt

commit 7bc29f6d742032ffa56cb92ae8dc92e6f03ed5eb
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:03:25 2021 -0400

    Again modifier a.txt

commit a26b5875113045f70f966ad85ffa42227f15cb96
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:02:29 2021 -0400

    Modifier a.txt

commit 350960970356487e55c39647a617479b3d474a70
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:01:41 2021 -0400

    Made changes in a.txt

commit c61a4b998bbc051111679845713a902cfc447800
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 10:56:11 2021 -0400

    Adding 2 files

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status && git ls-files -s
On branch master
nothing to commit, working tree clean
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status && git ls-files -s
On branch master
nothing to commit, working tree clean
100644 8024428d38cf3123a3c18147014e793de6b1a548 0       a.txt
100644 c694995f4a702c2b195f6442f21f8db44a9e444f 0       b.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git reset --soft ^C

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git reset --soft 7bc29f6d742032ffa56cb92ae8dc92e6f03ed5eb

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status && git ls-files -s
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   a.txt

100644 8024428d38cf3123a3c18147014e793de6b1a548 0       a.txt
100644 c694995f4a702c2b195f6442f21f8db44a9e444f 0       b.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   a.txt


aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git log
commit 7bc29f6d742032ffa56cb92ae8dc92e6f03ed5eb (HEAD -> master)
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:03:25 2021 -0400

    Again modifier a.txt

commit a26b5875113045f70f966ad85ffa42227f15cb96
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:02:29 2021 -0400

    Modifier a.txt

commit 350960970356487e55c39647a617479b3d474a70
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:01:41 2021 -0400

    Made changes in a.txt

commit c61a4b998bbc051111679845713a902cfc447800
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git reset --soft ^C

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git reset --soft 7bc29f6d742032ffa56cb92ae8dc92e6f03ed5eb

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status && git ls-files -s
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   a.txt

100644 8024428d38cf3123a3c18147014e793de6b1a548 0       a.txt
100644 c694995f4a702c2b195f6442f21f8db44a9e444f 0       b.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   a.txt


aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ git log
commit 7bc29f6d742032ffa56cb92ae8dc92e6f03ed5eb (HEAD -> master)
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:03:25 2021 -0400

    Again modifier a.txt

commit a26b5875113045f70f966ad85ffa42227f15cb96
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:02:29 2021 -0400

    Modifier a.txt

commit 350960970356487e55c39647a617479b3d474a70
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:01:41 2021 -0400

    Made changes in a.txt

commit c61a4b998bbc051111679845713a902cfc447800
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 10:56:11 2021 -0400

    Adding 2 files

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-6 (master)
$ |
```

Question 7: Reset previous commit (Hard Reset)

```
MINGW64:/c/Users/aditi/Desktop/Exercise-7                                                    —

aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ git Desktop
git: 'Desktop' is not a git command. See 'git --help'.

aditi@LAPTOP-D5LQKTJK MINGW64 ~
$ cd Desktop

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-7

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-7

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-7/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ echo "Adding a new file" > a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git status
On branch master

No commits yet

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


aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git ls-files -s
100644 750d81596def3e2a4dcd76a99da4dad6e862d89c 0       a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git commit -m "Made changes in a.txt"
[master (root-commit) d9ba4c4] Made changes in a.txt
 1 file changed, 1 insertion(+)
 create mode 100644 a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ echo "This is a beautiful day" >> a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ add a.txt
```

```
$ echo "This is a beautiful day" >> a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ add a.txt
bash: add: command not found

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git commit -m "Modified the file"
[master 2eda5ff] Modified the file
 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ echo "Adding on emore line" >> a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git add a.txt
warning: LF will be replaced by CRLF in a.txt.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git commit -m "Changed number 3"
[master c9f9f8d] Changed number 3
 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git status
On branch master
nothing to commit, working tree clean

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git log
commit c9f9f8d2f31128572ff5345b76a7d5462f97fad4 (HEAD -> master)
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:28:32 2021 -0400

    Changed number 3

commit 2eda5ff011cc1ae1327a3c289b57a22727e39f7b
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:27:38 2021 -0400

    Modified the file

commit d9ba4c4b2286010affef6af4491083ab6102e8f3
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:26:42 2021 -0400
```

```
MINGW64:/c/Users/aditi/Desktop/Exercise-7                                    —  □  ✕

 1 file changed, 1 insertion(+)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git status
On branch master
nothing to commit, working tree clean

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git log
commit c9f9f8d2f31128572ff5345b76a7d5462f97fad4 (HEAD -> master)
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:28:32 2021 -0400

    Changed number 3

commit 2eda5ff011cc1ae1327a3c289b57a22727e39f7b
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:27:38 2021 -0400

    Modified the file

commit d9ba4c4b2286010affef6af4491083ab6102e8f3
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:26:42 2021 -0400

    Made changes in a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git reset --hard 2eda5ff011cc1ae1327a3c289b57a22727e39f7b
HEAD is now at 2eda5ff Modified the file

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git status
On branch master
nothing to commit, working tree clean

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ git log
commit 2eda5ff011cc1ae1327a3c289b57a22727e39f7b (HEAD -> master)
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:27:38 2021 -0400

    Modified the file

commit d9ba4c4b2286010affef6af4491083ab6102e8f3
Author: aditidutt08 <aditidutt081992@gmail.com>
Date:   Sat Jun 12 11:26:42 2021 -0400

    Made changes in a.txt

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$
```

Exercise – 8


```
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-7 (master)
$ cd ..

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-8

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-8

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-8/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ nano "index.html"

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ cat index.html
<!doctype html>
<html>
   <head>
     <title>This is the title of the webpage!</title>
   </head>
   <body>
     <p>This is an example paragraph. Anything in the <strong>body</strong> tag will appear on the page, just like this <s
trong>p</strong> tag and its contents.</p>
   </body>
</html>

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ git commit -m "Adding index.html file"
[master (root-commit) e74ce5f] Adding index.html file
 1 file changed, 9 insertions(+)
 create mode 100644 index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ git branch --list
* master
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ nano about-us.html
```

```
GNU nano 4.9.3                      about-us.html                          Modified
    <p>Resize the browser window to see that this page is responsive by the way.</p>
</div>

<h2 style="text-align:center">Our Team</h2>
<div class="row">
  <div class="column">
    <div class="card">
      <img src="/w3images/team1.jpg" alt="Jane" style="width:100%">
      <div class="container">
        <h2>Jane Doe</h2>
        <p class="title">CEO & Founder</p>
        <p>Some text that describes me lorem ipsum ipsum lorem.</p>
        <p>jane@example.com</p>
        <p><button class="button">Contact</button></p>
      </div>
    </div>
  </div>

  <div class="column">
    <div class="card">
      <img src="/w3images/team2.jpg" alt="Mike" style="width:100%">
      <div class="container">
        <h2>Mike Ross</h2>
        <p class="title">Art Director</p>
        <p>Some text that describes me lorem ipsum ipsum lorem.</p>
        <p>mike@example.com</p>
        <p><button class="button">Contact</button></p>
      </div>
    </div>
  </div>

  <div class="column">
    <div class="card">
      <img src="/w3images/team3.jpg" alt="John" style="width:100%">
      <div class="container">
        <h2>John Doe</h2>
        <p class="title">Designer</p>
        <p>Some text that describes me lorem ipsum ipsum lorem.</p>
        <p>john@example.com</p>
        <p><button class="button">Contact</button></p>
      </div>
    </div>
  </div>
</div>

</body>
</html>

Save modified buffer? |
 Y Yes
 N No              ^C Cancel
```

```
  GNU nano 4.9.3                C:/Users/aditi/Desktop/Exercise-8/.git/MERGE_MSG
Merge branch 'my-feature'
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

```
                                    [ Read 6 lines ]
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos     M-U Undo         M-A Mark Text
^X Exit        ^R Read File   ^\ Replace     ^U Paste Text  ^T To Spell    ^_ Go To Line  M-E Redo         M-6 Copy Text
```

```
  GNU nano 4.9.3                C:/Users/aditi/Desktop/Exercise-8/.git/MERGE_MSG                    Modified
Merge branch 'my-feature'
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.

Merging the my-feature to master.
```

```
aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ git branch --list
* master

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ ls
about-us.html   index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ git checkout -b my-feature master
Switched to a new branch 'my-feature'

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (my-feature)
$ git add about-us.html
warning: LF will be replaced by CRLF in about-us.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (my-feature)
$ git commit -m "Added about-us.html"
[my-feature 885a7da] Added about-us.html
 1 file changed, 127 insertions(+)
 create mode 100644 about-us.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (my-feature)
$ git checkout my-feature
Already on 'my-feature'

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (my-feature)
$ git checkout master
Switched to branch 'master'

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ git merge --no-ff my-feature
Merge made by the 'recursive' strategy.
 about-us.html | 127 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 1 file changed, 127 insertions(+)
 create mode 100644 about-us.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ git branch --list
* master
  my-feature

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-8 (master)
$ git commit -m "Merged master and my-feature"
On branch master
nothing to commit, working tree clean
```

Question 9: Merge Branch (Conflicts)


```
MINGW64:/c/Users/aditi/Desktop/Exercise-9

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ cd ..

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ mkdir Exercise-9

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop
$ cd Exercise-9

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9
$ git init
Initialized empty Git repository in C:/Users/aditi/Desktop/Exercise-9/.git/

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ add index.html
bash: add: command not found

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git commit -m "Pushing index.html"
On branch master

Initial commit

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)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git commit -m "Pushing index.html"
[master (root-commit) dbe71e7] Pushing index.html
 1 file changed, 9 insertions(+)
 create mode 100644 index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git branch my-feature

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git checkout my-feature
Switched to branch 'my-feature'

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (my-feature)
```

```
MINGW64:/c/Users/aditi/Desktop/Exercise-9                                    ─  □

$ git checkout my-feature
Switched to branch 'my-feature'

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (my-feature)
$ nano about-us.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (my-feature)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (my-feature)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in about-us.html.
The file will have its original line endings in your working directory

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (my-feature)
$ git commit -m "Pushing changes to index file"
[my-feature 4271d7a] Pushing changes to index file
 2 files changed, 10 insertions(+), 1 deletion(-)
 create mode 100644 about-us.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (my-feature)
$ git checkout master
Switched to branch 'master'

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git add .

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git commit -m "Pushing changes to index file for the master"
[master f40051e] Pushing changes to index file for the master
 1 file changed, 1 insertion(+), 1 deletion(-)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git merge --no-ff my-feature
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Changes to be committed:
        new file:   about-us.html
```

```
MINGW64:/c/Users/aditi/Desktop/Exercise-9                                    ─  □  ×

 1 file changed, 1 insertion(+), 1 deletion(-)

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$ git merge --no-ff my-feature
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Changes to be committed:
        new file:   about-us.html

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


aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master|MERGING)
$ cat index.html
<!doctype html>
<html>
  <head>
<<<<<<< HEAD
    <title>Master Branch Index file</title>
=======
    <title>My index file</title>
>>>>>>> my-feature
  </head>
  <body>
    <p>This is an example paragraph. Anything in the <strong>body</strong> tag will appear on the page, just like this <s
trong>p</strong> tag and its contents.</p>
  </body>
</html>

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master|MERGING)
$ nano index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master|MERGING)
$ git add index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master|MERGING)
$ git commit -m "merged and resolved conflicts in the index.html"
[master 65dd416] merged and resolved conflicts in the index.html

aditi@LAPTOP-D5LQKTJK MINGW64 ~/Desktop/Exercise-9 (master)
$
```