

5)Steps for (Save your work with stash)

1)created 3 files with code.

2)git add .

3)git commit

4) updated the file 1

5)git stash

6)git stash list

7)updated 1 more file

8)git stash

9)git stash list

```
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise 5 (master)
$ git add .

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise 5 (master)
$ git commit -m"3 files added "
[master 31ccfed] 3 files added
 3 files changed, 30 insertions(+)
 create mode 100644 Exercise 5/abc.html
 create mode 100644 Exercise 5/about.html
 create mode 100644 Exercise 5/index.html

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise 5 (master)
$ git stash
Saved working directory and index state WIP on master: 31ccfed 3 files added

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise 5 (master)
$ git stash list
stash@{0}: WIP on master: 31ccfed 3 files added

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise 5 (master)
$ git stash
Saved working directory and index state WIP on master: 31ccfed 3 files added

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise 5 (master)
$ git stash list
stash@{0}: WIP on master: 31ccfed 3 files added
stash@{1}: WIP on master: 31ccfed 3 files added
```

6)steps for(soft reset)

1)abc.html file created

2)git add .

3)git commit -m"1st commit"

4)modified

5)git add.

6)git commit -m"2nd commit"

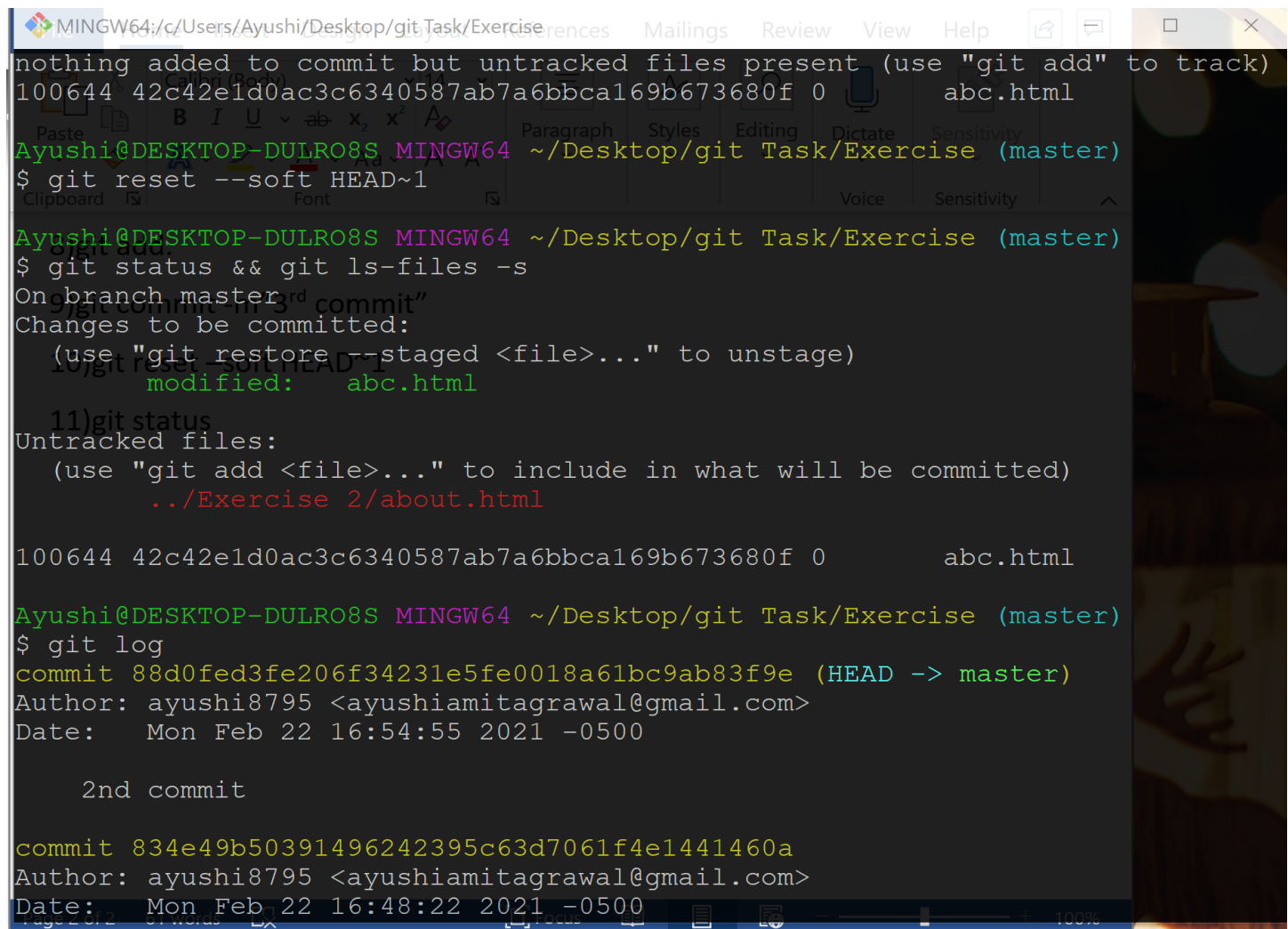
7)modified

8)git add.

9)git commit -m"3rd commit"

10)git reset --soft HEAD~1

11)git status



```
nothing added to commit but untracked files present (use "git add" to track)
100644 42c42e1d0ac3c6340587ab7a6bbca169b673680f 0      abc.html
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$ git reset --soft HEAD~1
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$ git status && git ls-files -s
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   abc.html
11)git status
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        ../Exercise 2/about.html
100644 42c42e1d0ac3c6340587ab7a6bbca169b673680f 0      abc.html
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$ git log
commit 88d0fed3fe206f34231e5fe0018a61bc9ab83f9e (HEAD -> master)
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date:   Mon Feb 22 16:54:55 2021 -0500

    2nd commit

commit 834e49b50391496242395c63d7061f4e1441460a
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date:   Mon Feb 22 16:48:22 2021 -0500
```

12)git log

```
MINGW64:/c/Users/Ayushi/Desktop/git Task/Exercise
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$ git log
commit 88d0fed3fe206f34231e5fe0018a61bc9ab83f9e (HEAD -> master)
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 16:54:55 2021 -0500

    2nd commit

commit 834e49b50391496242395c63d7061f4e1441460a
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 16:48:22 2021 -0500

    1st commit

commit cf6bc43f8bced7e489aff99f06d3a4464a649d1a
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 15:09:42 2021 -0500

    Gitignore file added

commit 30a3779250bdc74627f93c028433540dcbe9207d
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 15:03:35 2021 -0500

    02 Adding index.html and about.html

commit 7a79fb236e9528de26f813c783b1a64833ccf93d
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 15:02:19 2021 -0500
```

7)steps for(Hard reset)

1)same commits as previous

2)git reset --hard HEAD~1

3)git log

```
MINGW64/C:/Users/Ayushi/Desktop/git Task/Exercise
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$ git reset --hard HEAD~1
HEAD is now at 834e49b 1st commit

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$ git log
commit 834e49b50391496242395c63d7061f4e1441460a (HEAD -> master)
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 16:48:22 2021 -0500

    1st commit

commit cf6bc43f8bced7e489aff99f06d3a4464a649d1a
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 15:09:42 2021 -0500

    Gitignore file added

commit 30a3779250bdc74627f93c028433540dcbe9207d
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 15:03:35 2021 -0500

    Adding index.html and about.html

commit 7a79fb236e9528de26f813c783b1a64833ccf93d
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 15:02:19 2021 -0500
```

4)git status

```
MINGW64/C:/Users/Ayushi/Desktop/git Task/Exercise
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
commit 7a79fb236e9528de26f813c783b1a64833ccf93d
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 15:02:19 2021 -0500

    index.html added

/ Desktop/git Task/Exercise (master)
commit 2b9256689837e1535e9ed0a501df8e14920adc54
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 15:01:23 2021 -0500

    initial message

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$
433540dcbe9207d
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    ../Exercise 2/about.html

nothing added to commit but untracked files present (use "git add" to track)
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise (master)
$
```

8) steps for merge without conflict

- 1) committed index.html file
- 2) created branch
- 3) switched to my-feature branch
- 4) committed about-us.html file
- 5) merged the 2 branches

```
MINGW64:/c/Users/Ayushi/Desktop/git Task/Exercise x
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task (master)
$ cd Exercise\ x/
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git add .
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git commit -m"learn merge index.html"
[master e51eb8a] learn merge index.html
1 file changed, 10 insertions(+)
create mode 100644 Exercise x/index.html
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git branch my-feature
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git branch
* master
  my-feature
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git checkout my-feature
Switched to branch 'my-feature'
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (my-feature)
$ git add about-us.html
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (my-feature)
$ git commit -m"about-us file added in myfeature"
[my-feature eb13cf8] about-us file added in myfeature
1 file changed, 10 insertions(+)
create mode 100644 Exercise x/about-us.html
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (my-feature)
$ git checkout master
Switched to branch 'master'
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git branch
```



```
MINGW64:/c/Users/Ayushi/Desktop/git Task/Exercise x
Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git branch
* master
  my-feature

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git merge my-feature
Updating e51eb8a..eb13cf8
Fast-forward
 Exercise x/about-us.html | 10 ++++++++
 1 file changed, 10 insertions(+)
 create mode 100644 Exercise x/about-us.html
~/git Task/Exercise x (master)

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/git Task/Exercise x (master)
$ git log
commit eb13cf8d9d9bce64e66c029449470b9e0db94e8a (HEAD -> master, my-feature)
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 17:39:24 2021 -0500

    about-us file added in myfeature
~/git Task/Exercise x (my-feature)

commit e51eb8a16fd611b6aea50a1357cdc78d74c2b003
Author: ayushi8795 <ayushiamitagrawal@gmail.com>
Date: Mon Feb 22 17:34:53 2021 -0500

    learn merge index.html
```

9)merger conflict resolved

```
MINGW64:/c/Users/Ayushi/Desktop/Exercise 9
index.html

Normal merge conflict for 'index.html':
  {local}: modified file
  {remote}: modified file
Hit return to start merge resolution tool (vimdiff):
4 files to edit

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/Exercise 9 (master|MERGING)
$ git status
On branch master
All conflicts fixed but you are still merging.
(use "git commit" to conclude merge)

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

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

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/Exercise 9 (master|MERGING)
$ rm -rf index.html.orig

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/Exercise 9 (master|MERGING)
$ git commit -m"final commit"
[master 0faf30e] final commit

Ayushi@DESKTOP-DULRO8S MINGW64 ~/Desktop/Exercise 9 (master)
$
```