

CONSULTADD TRAINING PROGRAM

VCS ASSIGNMENT -1

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.'

```
MINGW64:/c:/Users/reesa/Exercise-1

reesa@Reesa MINGW64 ~
$ git init Exercise-1
Initialized empty Git repository in C:/Users/reesa/Exercise-1/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-1

reesa@Reesa MINGW64 ~/Exercise-1 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise-1 (master)
$ git add index.html

reesa@Reesa MINGW64 ~/Exercise-1 (master)
$ git commit -m "First Assignment in VCS"
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 'reesa@Reesa.(none)')

reesa@Reesa MINGW64 ~/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

reesa@Reesa MINGW64 ~/Exercise-1 (master)
$ git config --global user.email "reesasusan@gmail.com"

reesa@Reesa MINGW64 ~/Exercise-1 (master)
$ git config --global user.name "reesa98"

reesa@Reesa MINGW64 ~/Exercise-1 (master)
$ git commit -m "First Assignment in VCS"
[master (root-commit) b320b52] First Assignment in VCS
 1 file changed, 9 insertions(+)
 create mode 100644 index.html

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

reesa@Reesa MINGW64 ~/Exercise-1 (master)
$ git log
commit b320b526526549a5d099d9f1ee4c8d8f54e8adf7 (HEAD -> master)
Author: reesa98 <reesasusan@gmail.com>
Date: Thu Mar 7 09:18:29 2024 -0500

    First Assignment in VCS

reesa@Reesa MINGW64 ~/Exercise-1 (master)
$ |
```

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.'

MINGW64:/c/Users/reesa/Exercise-2

```
reesa@Reesa MINGW64 ~
$ git init Exercise-2
Reinitialized existing Git repository in C:/Users/reesa/Exercise-2/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-2

reesa@Reesa MINGW64 ~/Exercise-2 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise-2 (master)
$ touch about.html

reesa@Reesa MINGW64 ~/Exercise-2 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-2 (master)
$ nano about.html

reesa@Reesa MINGW64 ~/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

reesa@Reesa MINGW64 ~/Exercise-2 (master)
$ git commit -m "Added index.html file to the repository"
[master (root-commit) 1f14882] Added index.html file to the repository
1 file changed, 11 insertions(+)
create mode 100644 index.html

reesa@Reesa MINGW64 ~/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)

reesa@Reesa MINGW64 ~/Exercise-2 (master)
$ |
```

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

MINGW64:/c/Users/reesa/Exercise-3

```
reesa@Reesa MINGW64 ~
$ git init Exercise-3
Initialized empty Git repository in C:/Users/reesa/Exercise-3/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-3

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git add.
git: 'add.' is not a git command. See 'git --help'.

The most similar command is
    add

reesa@Reesa MINGW64 ~/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)

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git add.
git: 'add.' is not a git command. See 'git --help'.

The most similar command is
    add

reesa@Reesa MINGW64 ~/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
```

```
reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git status
On branch master

No commits yet

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

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git commit -m "Created an index.html file in Exercise-3 folder"
[master (root-commit) f6f50a2] Created an index.html file in Exercise-3 folder
1 file changed, 10 insertions(+)
create mode 100644 index.html

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

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git branch my-feature

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git branch -a
* master
  my-feature

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git checkout my-feature
Switched to branch 'my-feature'

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ ls
index.html

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ touch about-us.html

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ nano about-us.html
```

```

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ git status
On branch my-feature
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    about-us.html

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

reesa@Reesa MINGW64 ~/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

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ git status
On branch my-feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   about-us.html

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ git commit -m "Created a about-us.html file in my-feature"
[my-feature 624f028] Created a about-us.html file in my-feature
 1 file changed, 17 insertions(+)
 create mode 100644 about-us.html

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ git status
On branch my-feature
nothing to commit, working tree clean

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ git checkout main
error: pathspec 'main' did not match any file(s) known to git

reesa@Reesa MINGW64 ~/Exercise-3 (my-feature)
$ git checkout master
Switched to branch 'master'

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ ls
index.html

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git merge my-feature
Updating f6f50a2..624f028
Fast-forward
 about-us.html | 17 +++++
 1 file changed, 17 insertions(+)

```

```

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ git merge my-feature
Updating f6f50a2..624f028
Fast-forward
 about-us.html | 17 +++++
 1 file changed, 17 insertions(+)
 create mode 100644 about-us.html

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$ ls
about-us.html  index.html

reesa@Reesa MINGW64 ~/Exercise-3 (master)
$

```

Exercise 4. Merge branch (Conflicts).

1. Initialize your Repository D
2. Create index.html file add some code. D
3. Make Commit. D
4. Create new branch from master branch with name my-feature. D
5. Add about-us.html file with code D
6. Make changes in index.html D
7. Commit changes in my-feature branch.
8. Now checkout master branch.
9. Do some code changes in index.html
10. Commit changes.
11. Now merge my-feature branch into master.
12. You will get conflicts for index.html file. Resolve conflict by selecting both changes for the same index.html file.

```
reesa@Reesa MINGW64 ~
$ git init Exercise-4
Initialized empty Git repository in C:/Users/reesa/Exercise-4/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-4

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-4 (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

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ git commit -m "Added the index.html file in master branch"
[master (root-commit) ea7af7c] Added the index.html file in master branch
1 file changed, 9 insertions(+)
create mode 100644 index.html

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ git branch my-feature

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ git checkout my-feature
Switched to branch 'my-feature'

reesa@Reesa MINGW64 ~/Exercise-4 (my-feature)
$ touch about-us.html

reesa@Reesa MINGW64 ~/Exercise-4 (my-feature)
$ nano about-us.html

reesa@Reesa MINGW64 ~/Exercise-4 (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

reesa@Reesa MINGW64 ~/Exercise-4 (my-feature)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-4 (my-feature)
$ git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
```

```
reesa@Reesa MINGW64 ~/Exercise-4 (my-feature)
$ git commit -m "I have added both files"
[my-feature 748661e] I have added both files
2 files changed, 10 insertions(+), 1 deletion(-)
create mode 100644 about-us.html

reesa@Reesa MINGW64 ~/Exercise-4 (my-feature)
$ git checkout master
Switched to branch 'master'

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ git add index.html

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ git commit -m "Some code changes in index.html"
[master 481bdd5] Some code changes in index.html
1 file changed, 1 insertion(+), 1 deletion(-)

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ git merge new-feature
merge: new-feature - not something we can merge

reesa@Reesa MINGW64 ~/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.

reesa@Reesa MINGW64 ~/Exercise-4 (master |MERGING)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-4 (master |MERGING)
$ git add index.html

reesa@Reesa MINGW64 ~/Exercise-4 (master |MERGING)
$ git commit -m "Merged the files"
[master 58571fe] Merged the files

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ nano index.html

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

reesa@Reesa MINGW64 ~/Exercise-4 (master)
$ |
```


Exercise 01: Create your first Commit

Task:

- 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.'

```
reesa@Reesa MINGW64 ~
$ git init Exercise01
Reinitialized existing Git repository in C:/Users/reesa/Exercise01/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise01

reesa@Reesa MINGW64 ~/Exercise01 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise01 (master)
$ git status
On branch master

No commits yet

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

reesa@Reesa MINGW64 ~/Exercise01 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise01 (master)
$ git add .

reesa@Reesa MINGW64 ~/Exercise01 (master)
$ git status
On branch master

No commits yet

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

reesa@Reesa MINGW64 ~/Exercise01 (master)
$ git commit -m "Added index.html file"
[master (root-commit) 75b8a7e] Added index.html file
 1 file changed, 9 insertions(+)
 create mode 100644 index.html

reesa@Reesa MINGW64 ~/Exercise01 (master)
$ git status
On branch master
nothing to commit, working tree clean

reesa@Reesa MINGW64 ~/Exercise01 (master)
$ |
```

Exercise 02: Commit only one file

Task:

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

MINGW64:/c:/Users/reesa/Exercise02

```
reesa@Reesa MINGW64 ~
$ git init Exercise02
Reinitialized existing Git repository in c:/Users/reesa/Exercise02/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise02

reesa@Reesa MINGW64 ~/Exercise02 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise02 (master)
$ touch about.html

reesa@Reesa MINGW64 ~/Exercise02 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise02 (master)
$ nano about .html

reesa@Reesa MINGW64 ~/Exercise02 (master)
$ nano about .html

reesa@Reesa MINGW64 ~/Exercise02 (master)
$ git add about.html

reesa@Reesa MINGW64 ~/Exercise02 (master)
$ git status
On branch master

No commits yet

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

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

reesa@Reesa MINGW64 ~/Exercise02 (master)
$ git commit -m "File about.html added"
[master (root-commit) 90dd0da] File about.html added
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 about.html
```

```
reesa@Reesa MINGW64 ~/Exercise02 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .html
    about
    index.html

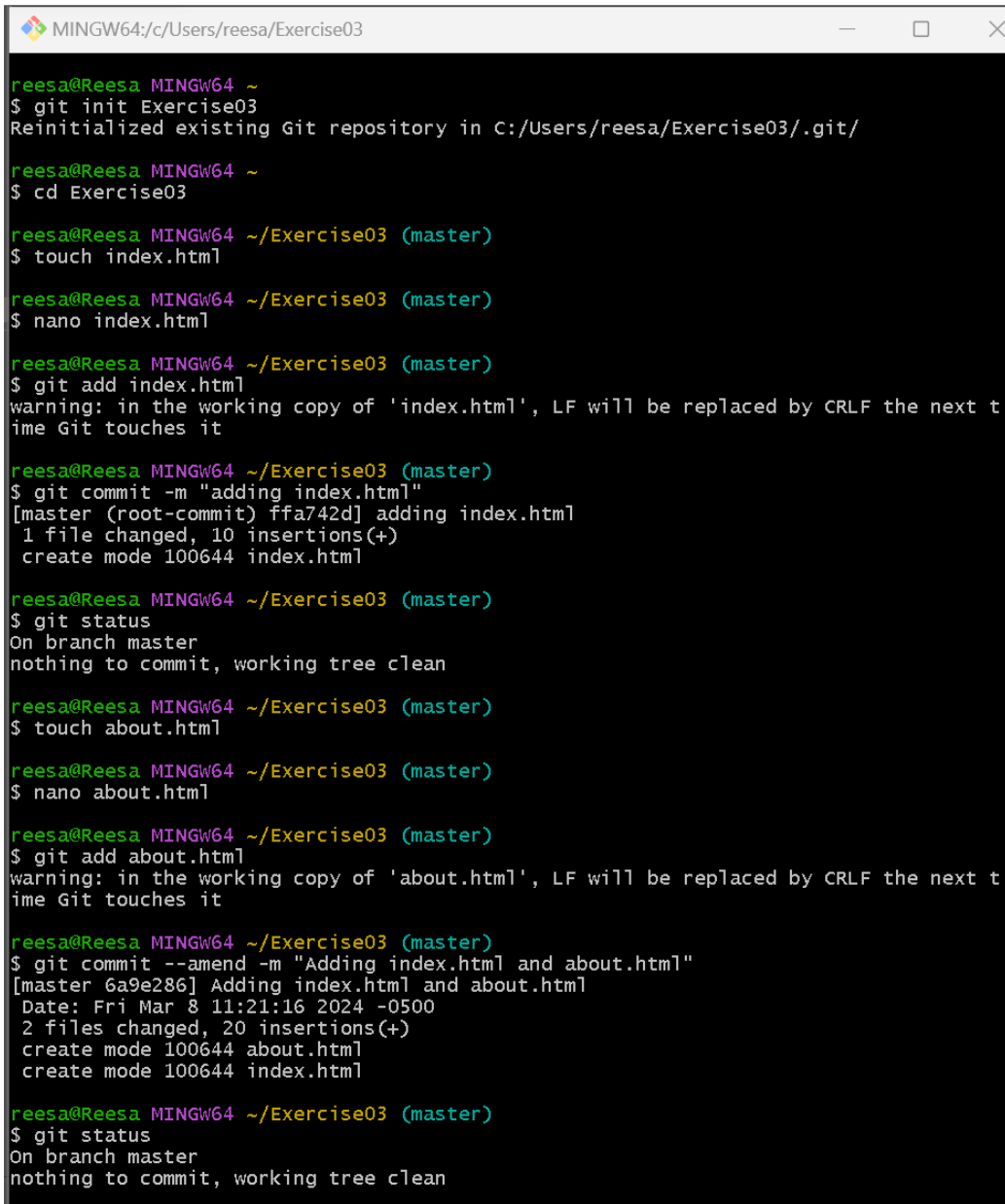
nothing added to commit but untracked files present (use "git add" to track)

reesa@Reesa MINGW64 ~/Exercise02 (master)
$
```

Exercise 03: Modify last commit.

Task:

- Initialize your Repository: git init Exercise-3
- Create a file with name index.html
- Write code in newly created file
- Stage index.html
- Commit with message 'adding index.html.'
- Add new about.html file with some code.
- Now modify message of previous commit as 'Adding index.html and about.html 'and add about.html file in previous commit.



```
MINGW64:/c/Users/reesa/Exercise03
reesa@Reesa MINGW64 ~
$ git init Exercise03
Reinitialized existing Git repository in C:/Users/reesa/Exercise03/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise03

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise03 (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

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ git commit -m "adding index.html"
[master (root-commit) ffa742d] adding index.html
1 file changed, 10 insertions(+)
create mode 100644 index.html

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ git status
On branch master
nothing to commit, working tree clean

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ touch about.html

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ nano about.html

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ git add about.html
warning: in the working copy of 'about.html', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ git commit --amend -m "Adding index.html and about.html"
[master 6a9e286] Adding index.html and about.html
Date: Fri Mar 8 11:21:16 2024 -0500
2 files changed, 20 insertions(+)
create mode 100644 about.html
create mode 100644 index.html

reesa@Reesa MINGW64 ~/Exercise03 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Exercise 04: Create git ignore file

Task:

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

```
MINGW64:/c/Users/reesa/Exercise-04

reesa@Reesa MINGW64 ~
$ git init Exercise-04
Initialized empty Git repository in C:/Users/reesa/Exercise-04/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-04

reesa@Reesa MINGW64 ~/Exercise-04 (master)
$ touch gitignore

reesa@Reesa MINGW64 ~/Exercise-04 (master)
$ nano gitignore

reesa@Reesa MINGW64 ~/Exercise-04 (master)
$ git status
On branch master

No commits yet

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

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

reesa@Reesa MINGW64 ~/Exercise-04 (master)
$ git add gitignore
warning: in the working copy of 'gitignore', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-04 (master)
$ git commit -m "Added gitIgnore file which will ignore specific extensions"
[master (root-commit) a9c41c4] Added gitIgnore file which will ignore specific extensions
1 file changed, 5 insertions(+)
create mode 100644 gitignore

reesa@Reesa MINGW64 ~/Exercise-04 (master)
$ git status
On branch master
nothing to commit, working tree clean

reesa@Reesa MINGW64 ~/Exercise-04 (master)
$
```

Exercise 05: Save your work with stash.

Task:

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

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

```
MINGW64:/c:/Users/reesa/Exercise-5

reesa@Reesa MINGW64 ~
$ git init Exercise-5
Initialized empty Git repository in C:/Users/reesa/Exercise-5/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-5
\
reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ touch demo1.py

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ nano demo1.py

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ touch demo2.py

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ nano demo2.py

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ git add .
warning: in the working copy of 'demo1.py', LF will be replaced by CRLF the next time
Git touches it
warning: in the working copy of 'demo2.py', LF will be replaced by CRLF the next time
Git touches it

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   demo1.py
    new file:   demo2.py

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ git stash
You do not have the initial commit yet

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ git commit -m "Added demo1.py and demo2.py files"
[master (root-commit) fb9b5a3] Added demo1.py and demo2.py files
 2 files changed, 10 insertions(+)
 create mode 100644 demo1.py
 create mode 100644 demo2.py

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ git stash
No local changes to save
```

```
reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ git stash list

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ nano demo1.py

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ nano demo2.py

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ git stash
warning: in the working copy of 'demo1.py', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'demo2.py', LF will be replaced by CRLF the next time Git touches it
Saved working directory and index state WIP on master: fb9b5a3 Added demo1.py and demo2.py files

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ git stash list
stash@{0}: WIP on master: fb9b5a3 Added demo1.py and demo2.py files

reesa@Reesa MINGW64 ~/Exercise-5 (master)
$ |
```

Exercise- 06

Reset Previous Commit Keeping changes. (Soft Reset)

Task:

- Initialize your Repository: git init Exercise-6.
- Do some series of commits.
- Now use git reset command to reset one of the commit and keep changes in staging area.

In answer also add output of git status command.

```
reesa@Reesa MINGW64 ~
$ git init Exercise-6
Initialized empty Git repository in C:/Users/reesa/Exercise-6/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-6

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ echo "First commit" > file.txt

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git commit -m "First Commit"
[master (root-commit) 7219096] First Commit
1 file changed, 1 insertion(+)
create mode 100644 file.txt

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ echo "Second commit" >> file.txt

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git commit -m "Second commit"
[master d68a42e] Second commit
1 file changed, 1 insertion(+)

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ echo "Third commit" >> file.txt

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git commit -m "Third commit"
[master c9c5681] Third commit
1 file changed, 1 insertion(+)
```

```
reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git log
commit c9c56813b41a4144f9161cf907262d9721eb990a (HEAD -> master)
Author: reesa98 <reesasusan@gmail.com>
Date: Fri Mar 8 18:57:37 2024 -0500

    Third commit

commit d68a42ef53eba2bec41c920be4adffd52658f264
Author: reesa98 <reesasusan@gmail.com>
Date: Fri Mar 8 18:56:40 2024 -0500

    Second commit

commit 7219096ac1a8b4be9464af40565c77e750bcb5dd
Author: reesa98 <reesasusan@gmail.com>
Date: Fri Mar 8 18:55:58 2024 -0500

    First Commit

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git reset --soft d68a42

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

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ git log
commit d68a42ef53eba2bec41c920be4adffd52658f264 (HEAD -> master)
Author: reesa98 <reesasusan@gmail.com>
Date: Fri Mar 8 18:56:40 2024 -0500

    Second commit

commit 7219096ac1a8b4be9464af40565c77e750bcb5dd
Author: reesa98 <reesasusan@gmail.com>
Date: Fri Mar 8 18:55:58 2024 -0500

    First Commit

reesa@Reesa MINGW64 ~/Exercise-6 (master)
$ |
```


Exercise 7: Reset Previous Commit (Hard Reset).

Task:

- Initialize your Repository: git init Exercise-7.
- Do some series of commits.
- Use git reset command to reset one of the commit without keeping changes.

```
MINGW64:/c/Users/reesa/Exercise-7

reesa@Reesa MINGW64 ~
$ git init Exercise-7
Reinitialized existing Git repository in C:/Users/reesa/Exercise-7/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-7

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ touch file1.txt

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ nano file1.txt

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git add file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git commit -m "Commit1: adding file1.txt"
[master (root-commit) ab5d39f] Commit1: adding file1.txt
1 file changed, 1 insertion(+)
create mode 100644 file1.txt

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ touch file2.txt

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ nano file2.txt

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git add file2.txt
warning: in the working copy of 'file2.txt', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git commit -m "Commit2: Adding file3.txt"
[master 6a69c85] Commit2: Adding file3.txt
1 file changed, 1 insertion(+)
create mode 100644 file2.txt

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git status
On branch master
nothing to commit, working tree clean

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git log
commit 6a69c85e9b304b4593fbc5a639e91a07dab83df4 (HEAD -> master)
Author: reesa98 <reesasusan@gmail.com>
Date: Fri Mar 8 13:05:19 2024 -0500

    Commit2: Adding file3.txt
```

```
reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git log
commit 176cf3bb33a2a908cbe89fe0092d2db178327571 (HEAD -> master)
Author: reesa98 <reesasusan@gmail.com>
Date:   Fri Mar 8 19:25:33 2024 -0500

    Third commit

commit 697c75c4478426aa6a33870194f1adb19e7ec80a
Author: reesa98 <reesasusan@gmail.com>
Date:   Fri Mar 8 19:25:02 2024 -0500

    Second commit

commit 5ce72c7cc42f04dc06e6da6d06602e6c7ec1672d
Author: reesa98 <reesasusan@gmail.com>
Date:   Fri Mar 8 19:24:25 2024 -0500

    First commit

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git reset --hard AC

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git reset --hard 697c75
HEAD is now at 697c75c Second commit

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git log
commit 697c75c4478426aa6a33870194f1adb19e7ec80a (HEAD -> master)
Author: reesa98 <reesasusan@gmail.com>
Date:   Fri Mar 8 19:25:02 2024 -0500

    Second commit

commit 5ce72c7cc42f04dc06e6da6d06602e6c7ec1672d
Author: reesa98 <reesasusan@gmail.com>
Date:   Fri Mar 8 19:24:25 2024 -0500

    First commit

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ git status
On branch master
nothing to commit, working tree clean

reesa@Reesa MINGW64 ~/Exercise-7 (master)
$ !
```

Exercise 8: Merge branch (No Conflicts).

Task:

- Initialize your Repository: git init Exercise-8
- Create index.html file add some code.
- Make Commit.
- Create new branch from master branch with name my-feature.
- Add about-us.html file with code and commit changes in my-feature branch.
- Now checkout master branch.
- Merge my-feature branch into master.

MINGW64:/c/Users/reesa/Exercise-8

```
reesa@Reesa MINGW64 ~
$ git init Exercise-8
Initialized empty Git repository in C:/Users/reesa/Exercise-8/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-8

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$ git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$ git commit -m "Added the index.html file"
[master (root-commit) 9d5a2d5] Added the index.html file
1 file changed, 9 insertions(+)
create mode 100644 index.html

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$ git branch my-feature

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$ git checkout my-feature
Switched to branch 'my-feature'

reesa@Reesa MINGW64 ~/Exercise-8 (my-feature)
$ touch about-us.html

reesa@Reesa MINGW64 ~/Exercise-8 (my-feature)
$ nano about-us.html

reesa@Reesa MINGW64 ~/Exercise-8 (my-feature)
$ git commit -m "Added the about-us.html file to my-feature branch"
On branch my-feature
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    about-us.html

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

reesa@Reesa MINGW64 ~/Exercise-8 (my-feature)
$ git add about-us.html
warning: in the working copy of 'about-us.html', LF will be replaced by CRLF the next time Git touches it
```

```

reesa@Reesa MINGW64 ~/Exercise-8 (my-feature)
$ git commit -m "Added the about-us.html file to my-feature branch"
[my-feature 42205f6] Added the about-us.html file to my-feature branch
1 file changed, 9 insertions(+)
create mode 100644 about-us.html

reesa@Reesa MINGW64 ~/Exercise-8 (my-feature)
$ git checkout master
Switched to branch 'master'

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$ git merge my-feature
Updating 9d5a2d5..42205f6
Fast-forward
 about-us.html | 9 ++++++++
1 file changed, 9 insertions(+)
create mode 100644 about-us.html

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$ git log
commit 42205f6e096e9446ee5b4103c91d0bf23811c3b5 (HEAD -> master, my-feature)
Author: reesa98 <reesasusan@gmail.com>
Date: Fri Mar 8 13:13:08 2024 -0500

    Added the about-us.html file to my-feature branch

commit 9d5a2d5a547211cb9cbc961b66b5e9c7758d345f
Author: reesa98 <reesasusan@gmail.com>
Date: Fri Mar 8 13:09:45 2024 -0500

    Added the index.html file

reesa@Reesa MINGW64 ~/Exercise-8 (master)
$

```

Exercise 9: Merge branch (Conflicts).

Task:

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

```
reesa@Reesa MINGW64 ~
$ git init Exercise-9
Initialized empty Git repository in C:/Users/reesa/Exercise-9/.git/

reesa@Reesa MINGW64 ~
$ cd Exercise-9

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ touch index.html

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ git commit -m "Added the index.html"
[master (root-commit) ff1eb60] Added the index.html
 1 file changed, 7 insertions(+)
 create mode 100644 index.html

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ git branch my-feature

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ git checkout my-feature
Switched to branch 'my-feature'

reesa@Reesa MINGW64 ~/Exercise-9 (my-feature)
$ touch about-us.html

reesa@Reesa MINGW64 ~/Exercise-9 (my-feature)
$ nano about-us.html

reesa@Reesa MINGW64 ~/Exercise-9 (my-feature)
$ git add about-us.html
warning: in the working copy of 'about-us.html', LF will be replaced by CRLF the next time Git touches it

reesa@Reesa MINGW64 ~/Exercise-9 (my-feature)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-9 (my-feature)
$ git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
```

```
reesa@Reesa MINGW64 ~/Exercise-9 (my-feature)
$ git commit -m "Edited file"
[my-feature f4cd70e] Edited file
 2 files changed, 13 insertions(+), 1 deletion(-)
 create mode 100644 about-us.html

reesa@Reesa MINGW64 ~/Exercise-9 (my-feature)
$ git checkout master
Switched to branch 'master'

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ git add index.html

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ git commit -m "Edited index.html file"
[master 29f7486] Edited index.html file
 1 file changed, 2 insertions(+), 1 deletion(-)

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ git merge my-feature
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.

reesa@Reesa MINGW64 ~/Exercise-9 (master|MERGING)
$ nano inedx.html

reesa@Reesa MINGW64 ~/Exercise-9 (master|MERGING)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-9 (master|MERGING)
$ git add index.html

reesa@Reesa MINGW64 ~/Exercise-9 (master|MERGING)
$ git commit -m "Edited index.html file"
[master 84adbdf] Edited index.html file

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ nano index.html

reesa@Reesa MINGW64 ~/Exercise-9 (master)
$ |
```