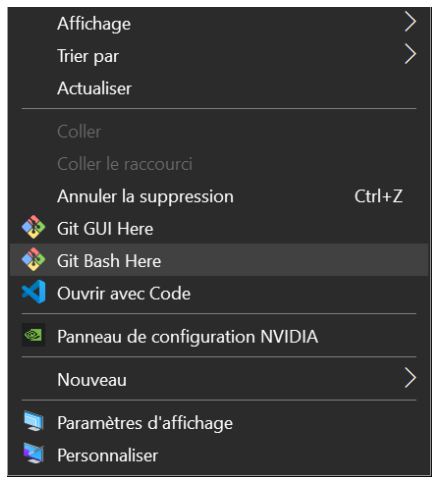
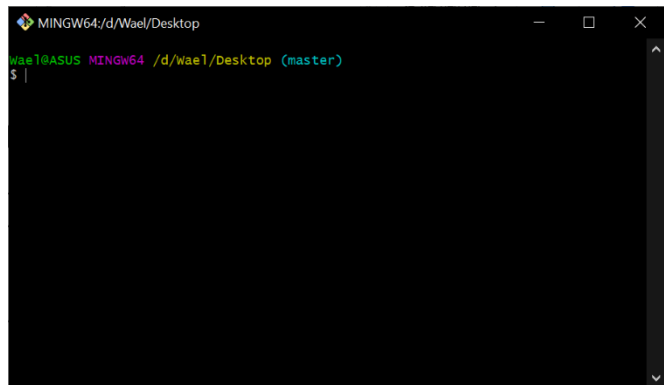


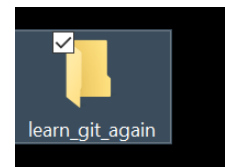
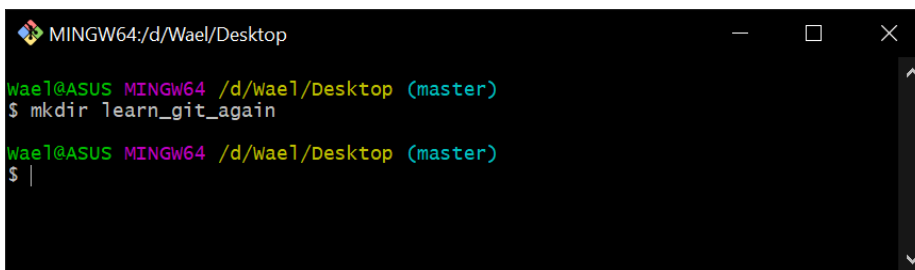
Checkpoints Git & GitHub



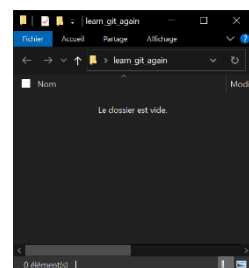
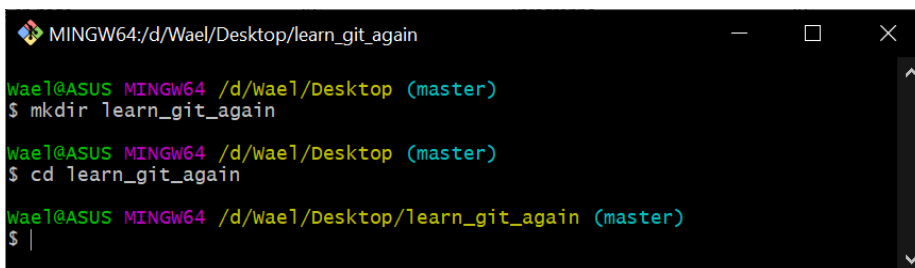
For Started we right click and in the contextual menu **Git Bash Here**.
Git Terminal Opens.



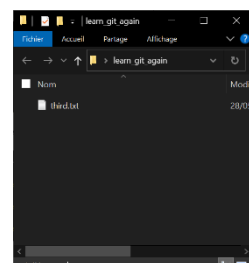
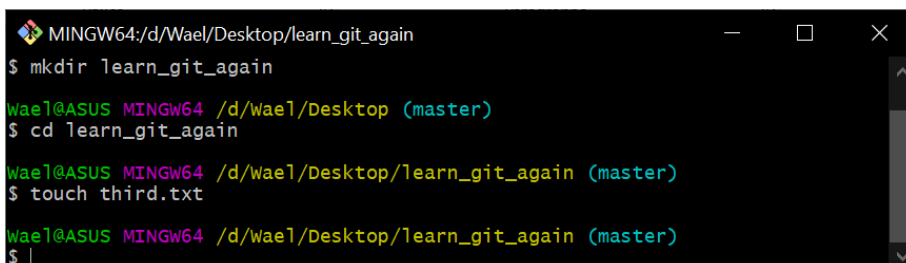
1. Create a folder called learn_git_again.



2. Cd (change directory) into the learn_git_again folder.



3. Create a file called third.txt.



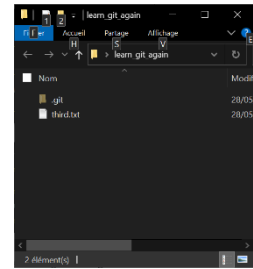
- Initialize an empty git repository.

```
MINGW64:/d/Wael/Desktop/learn_git_again

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ touch third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git init
Initialized empty Git repository in D:/Wael/Desktop/learn_git_again/.git/

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```



- Add third.txt to the staging area.

```
MINGW64:/d/Wael/Desktop/learn_git_again

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git init
Initialized empty Git repository in D:/Wael/Desktop/learn_git_again/.git/

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git add third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```

- Commit with the message "adding third.txt".

```
MINGW64:/d/Wael/Desktop/learn_git_again

$ git add third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git commit -m "adding third.txt"
[master (root-commit) ed373ae] adding third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```

- Check out your commit with git log.

```
MINGW64:/d/Wael/Desktop/learn_git_again

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git log
commit ed373ae690e2396cd12243b23b188afff0143bd5 (HEAD -> master)
Author: WaelS4 <wael.sellami.44@gmail.com>
Date: Fri May 28 12:16:29 2021 +0100

    adding third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```

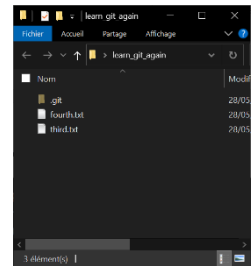
8. Create another file called fourth.txt.

```
MINGW64:/d/Wael/Desktop/learn_git_again
Author: WaelS4 <wael.sellami.44@gmail.com>
Date:   Fri May 28 12:16:29 2021 +0100

    adding third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ touch fourth.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```



9. Add fourth.txt to the staging area.

```
MINGW64:/d/Wael/Desktop/learn_git_again
    adding third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ touch fourth.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git add .

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```

10. Commit with the message "adding fourth.txt"

```
MINGW64:/d/Wael/Desktop/learn_git_again
$ git add .

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git commit -m "adding fourth.txt"
[master 1720a59] adding fourth.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 fourth.txt

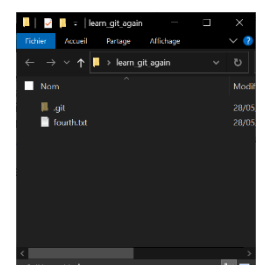
Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```

11. Remove the third.txt file.

```
MINGW64:/d/Wael/Desktop/learn_git_again
[master 1720a59] adding fourth.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 fourth.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git rm third.txt
rm 'third.txt'

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```



12. Add this change to the staging area.

```
MINGW64:/d/Wael/Desktop/learn_git_again

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git rm third.txt
rm 'third.txt'

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git add .

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```

13. Commit with the message "removing third.txt".

```
MINGW64:/d/Wael/Desktop/learn_git_again

$ git add .

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git commit -m "removing third.txt"
[master cb1c862] removing third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```

14. Check out your commits using git log.

```
MINGW64:/d/Wael/Desktop/learn_git_again

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git log
commit cb1c8628f34ffef955df7e39e11330d9482664d4 (HEAD -> master)
Author: WaelS4 <wael.sellami.44@gmail.com>
Date: Fri May 28 12:23:10 2021 +0100

    removing third.txt

commit 1720a59dadf4d39bfe98edf23c7b033033e1f5da
Author: WaelS4 <wael.sellami.44@gmail.com>
Date: Fri May 28 12:20:06 2021 +0100

    adding fourth.txt

commit ed373ae690e2396cd12243b23b188afff0143bd5
Author: WaelS4 <wael.sellami.44@gmail.com>
Date: Fri May 28 12:16:29 2021 +0100

    adding third.txt

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$
```

15. Change your global settings to core.pager=cat - you can read more about that [here](#).

```
MINGW64:/d/Wael/Desktop/learn_git_again
Wael@ASUS MINGW64 /d/wael/Desktop/learn_git_again (master)
$ git config --global core.pager cat

Wael@ASUS MINGW64 /d/wael/Desktop/learn_git_again (master)
$
```

16. Write the appropriate command to list all the global configurations for git on your machine.

```
MINGW64:/d/Wael/Desktop/learn_git_again
Wael@ASUS MINGW64 /d/wael/Desktop/learn_git_again (master)
$ git config --global core.pager cat

Wael@ASUS MINGW64 /d/wael/Desktop/learn_git_again (master)
$ git config --global --list
filter.lfs.required=true
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
user.name=WaelS4
user.email=wael.sellami.44@gmail.com
core.pager=cat

Wael@ASUS MINGW64 /d/wael/Desktop/learn_git_again (master)
$
```

17. You can type `git config --global` to find out how to do this.

```
MINGW64:/d/Wael/Desktop/learn_git_again

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git config --global
usage: git config [<options>]

Config file location
  --global          use global config file
  --system          use system config file
  --local           use repository config file
  --worktree        use per-worktree config file
  -f, --file <file> use given config file
  --blob <blob-id>  read config from given blob object

Action
  --get             get value: name [value-pattern]
  --get-all        get all values: key [value-pattern]
  --get-regexp      get values for regexp: name-regex [value-pattern]
  --get-urlmatch    get value specific for the URL: section[.var] URL
  --replace-all    replace all matching variables: name value [value
-pattern]
  --add             add a new variable: name value
  --unset           remove a variable: name [value-pattern]
  --unset-all      remove all matches: name [value-pattern]
  --rename-section  rename section: old-name new-name
  --remove-section  remove a section: name
  -l, --list        list all
  --fixed-value     use string equality when comparing values to 'val
ue-pattern'
  -e, --edit        open an editor
  --get-color       find the color configured: slot [default]
  --get-colorbool   find the color setting: slot [stdout-is-tty]

Type
  -t, --type <>    value is given this type
  --bool           value is "true" or "false"
  --int            value is decimal number
  --bool-or-int    value is --bool or --int
  --bool-or-str    value is --bool or string
  --path           value is a path (file or directory name)
  --expiry-date    value is an expiry date

Other
  -z, --null       terminate values with NUL byte
  --name-only      show variable names only
  --includes       respect include directives on lookup
  --show-origin    show origin of config (file, standard input, blob
, command line)
  --show-scope     show scope of config (worktree, local, global, sy
```

And at the end we push our work

```
MINGW64:/d/Wael/Desktop/learn_git_again

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (master)
$ git branch -M main

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (main)
$ git remote add origin https://github.com/WaelS4/ws-git.git

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (main)
$ git push -u origin main
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (7/7), 648 bytes | 324.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/WaelS4/ws-git.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

Wael@ASUS MINGW64 /d/Wael/Desktop/learn_git_again (main)
$
```