

GIT WORKFLOW

1. Create a folder called learn_git.

```
C:\ MINGW64:/c/Users/HP/Desktop/GOMYCODE

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE
$ mkdir learn_git

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE
$ ls
'~$B FUNDAMENTAL LECTURE.docx'  learn_git/      'WEB FUNDAMENTAL LECTURE.docx'
'~WRL3906.tmp'                 MoshHTML/
ClassHTML/                     MyFirstWebsite/
```

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

```
C:\ MINGW64:/c/Users/HP/Desktop/GOMYCODE/learn_git

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE
$ cd learn_git/

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git
$
```

3. Create a file called third.txt.

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git
$ touch third.txt

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git
$ ls
third.txt

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git
$
```

4. Initialize an empty git repository.

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git
$ git init
Initialized empty Git repository in C:/Users/HP/Desktop/GOMYCODE/learn_git/.git/

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$
```

5. Add third.txt to the staging area.

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git add third.txt
```

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

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git commit -m "adding third.txt"
[master (root-commit) 74532cc] adding third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 third.txt

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$
```

7. Check out your commit with git log.

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git log
commit 74532cc76f04c16f78d063a69e3d5877c4246f76 (HEAD -> master)
Author: AbdulrasaqM <abdulrasaqmutiu15@gmail.com>
Date: Sun Feb 5 19:42:26 2023 +0100

    adding third.txt

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$
```

8. Create another file called fourth.txt.

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ touch fourth.txt

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ ls
fourth.txt  third.txt
```

9. Add fourth.txt to the staging area.

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git add fourth.txt
```

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

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git commit -m "adding fourth.txt"
[master dd7ca73] adding fourth.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 fourth.txt

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$
```

11. Remove the third.txt file.

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ rm third.txt

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ ls
fourth.txt
```

12. Add this change to the staging area. (Using the command "git add .")

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git add .

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$
```

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

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git commit -m "removing third.txt"
[master ee9270c] removing third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 third.txt
```

14. Check out your commits using git log.

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git log
commit ee9270cd26f72dde470446b893d56e07da42a920 (HEAD -> master)
Author: AbdulrasaqM <abdulrasaqmutiu15@gmail.com>
Date:   Sun Feb 5 19:59:43 2023 +0100

    removing third.txt

commit dd7ca73055b95171b3780589fbf710dadd50370f
Author: AbdulrasaqM <abdulrasaqmutiu15@gmail.com>
Date:   Sun Feb 5 19:54:29 2023 +0100

    adding fourth.txt

commit 74532cc76f04c16f78d063a69e3d5877c4246f76
Author: AbdulrasaqM <abdulrasaqmutiu15@gmail.com>
Date:   Sun Feb 5 19:42:26 2023 +0100

: ...skipping...
commit ee9270cd26f72dde470446b893d56e07da42a920 (HEAD -> master)
Author: AbdulrasaqM <abdulrasaqmutiu15@gmail.com>
Date:   Sun Feb 5 19:59:43 2023 +0100

    removing third.txt

commit dd7ca73055b95171b3780589fbf710dadd50370f
Author: AbdulrasaqM <abdulrasaqmutiu15@gmail.com>
Date:   Sun Feb 5 19:54:29 2023 +0100

    adding fourth.txt

commit 74532cc76f04c16f78d063a69e3d5877c4246f76
Author: AbdulrasaqM <abdulrasaqmutiu15@gmail.com>
Date:   Sun Feb 5 19:42:26 2023 +0100

    adding third.txt
```

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

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git config --global core.pager cat

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$
```

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

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$ git config --global --list
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
user.name=AbdulrasaqM
user.email=abdulrasaqmutiu15@gmail.com
core.pager=cat

HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (master)
$
```

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

```
HP@Mutiu-AO MINGW64 ~/Desktop/GOMYCODE/learn_git (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 'value-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 <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
```