```
asus@LAPTOP-3KGAPCT7 MINGW64 ~
$ cd /c/Users/asus/Desktop/Osama_Meftah
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah
$ mkdir Labs

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah
$ mkdir Assignment
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah
$ git config --global user.email "osamameftah900@gmail.com"

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah
$ git config --global user.name "osama meftah"

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah
$ git init
Initialized empty Git repository in C:/Users/asus/Desktop/Osama_Meftah

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ ls
Assignment/  Labs/

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ ls -a
./  ../  .git/  Assignment/  Labs/

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab0

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab0.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab1.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab10.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab.txt
2
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab2.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab3.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab4.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab5.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab6.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab7.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab8.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ echo >>lab9.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ ls
Assignment/   lab0.txt   lab10.txt   lab3.txt   lab5.txt   lab7.txt   lab9.txt
Labs/         lab1.txt   lab2.txt    lab4.txt   lab6.txt   lab8.txt
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        lab0.txt
        lab1.txt
        lab10.txt
        lab2.txt
        lab3.txt
        lab4.txt
        lab5.txt
        lab6.txt
        lab7.txt
        lab8.txt
        lab9.txt

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

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git add lab0.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   Labs/lab2.txt
        new file:   lab0.txt
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git add .

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    lab0.txt -> Labs/lab1.txt
        new file:   Labs/lab10.txt
        new file:   Labs/lab2.txt
        new file:   Labs/lab3.txt
        new file:   Labs/lab4.txt
        new file:   Labs/lab5.txt
        new file:   Labs/lab6.txt
        new file:   Labs/lab7.txt
        new file:   Labs/lab8.txt
        new file:   Labs/lab9.txt
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git commit -m "add lab0 to commit "
[master (root-commit) e3167f3] add lab0 to commit
 2 files changed, 2 insertions(+)
 create mode 100644 Labs/lab0.txt
 create mode 100644 lab0.txt
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git log
commit e3167f3c8e42371bfd8b43ae600b06258e8c7e14 (HEAD -> master)
Author: osama meftah <osamameftah900@gmail.com>
Date:   Tue Aug 27 22:49:39 2024 +0300

    add lab0 to commit
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs ((e3167f3...))
$ git log
commit e3167f3c8e42371bfd8b43ae600b06258e8c7e14 (HEAD, master)
Author: osama meftah <osamameftah900@gmail.com>
Date:   Tue Aug 27 22:49:39 2024 +0300

    add lab0 to commit

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs ((e3167f3...))
$ git checkout "e3167f3c8e42371bfd8b43ae600b06258e8c7e14"
HEAD is now at e3167f3 add lab0 to commit
D       lab0.txt
```

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```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs ((e3167f3...))
$ git branch
* (HEAD detached at e3167f3)
  master

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs ((e3167f3...))
$ q
bash: q: command not found

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs ((e3167f3...))
$ git branch osama

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs ((e3167f3...))
$ git branch
* (HEAD detached at e3167f3)
  master
  osama

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs ((e3167f3...))
$ git checkout osama
Switched to branch 'osama'
D       lab0.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (osama)
$ git branch
  master
* osama
```

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```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (osama)
$ git switch master
Switched to branch 'master'
D       lab0.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git branch
* master
  osama

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git switch -c osama2
Switched to a new branch 'osama2'

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (osama2)
$ git branch
  master
  osama
* osama2
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (osama2)
$ git checkout -b osama3
Switched to a new branch 'osama3'

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (osama3)
$ git branch
  master
  osama
  osama2
* osama3

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (osama3)
$ git checkout master
Switched to branch 'master'
D       lab0.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git merge osama
Already up to date.
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git commit -m "merge osama and master"
[master 5c6522c] merge osama and master
 10 files changed, 9 insertions(+)
 rename lab0.txt => Labs/lab1.txt (100%)
 create mode 100644 Labs/lab10.txt
 create mode 100644 Labs/lab2.txt
 create mode 100644 Labs/lab3.txt
 create mode 100644 Labs/lab4.txt
 create mode 100644 Labs/lab5.txt
 create mode 100644 Labs/lab6.txt
 create mode 100644 Labs/lab7.txt
 create mode 100644 Labs/lab8.txt
 create mode 100644 Labs/lab9.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git branch
* master
  osama
  osama2
  osama3

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git log
commit 5c6522c2da700487ed6d23874befd0dcb7f84e2b (HEAD -> master)
Author: osama meftah <osamameftah900@gmail.com>
Date:   Tue Aug 27 23:00:02 2024 +0300

    merge osama and master

commit e3167f3c8e42371bfd8b43ae600b06258e8c7e14 (osama3, osama2, osama)
Author: osama meftah <osamameftah900@gmail.com>
Date:   Tue Aug 27 22:49:39 2024 +0300

    add lab0 to commit
```

```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git ls-files
Labs/lab0.txt
Labs/lab1.txt
Labs/lab10.txt
Labs/lab2.txt
Labs/lab3.txt
Labs/lab4.txt
Labs/lab5.txt
Labs/lab6.txt
Labs/lab7.txt
Labs/lab8.txt
Labs/lab9.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git clean -dn
Would remove Assignment/

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah (master)
$ git clean -df
Removing Assignment/
Removing remove/
```

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```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git restore lab0.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git restore .

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git rm 'lab0.txt'
rm 'Labs/lab0.txt'

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    lab0.txt
```

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```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git add .

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git commit -m "delete lab0.txt"
[master 97e7610] delete lab0.txt
 1 file changed, 1 deletion(-)
 delete mode 100644 Labs/lab0.txt

asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git reset 'lab1.txt'
```

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```
asus@LAPTOP-3KGAPCT7 MINGW64 ~/Desktop/Osama_Meftah/Labs (master)
$ git reset 'lab1.txt'
```