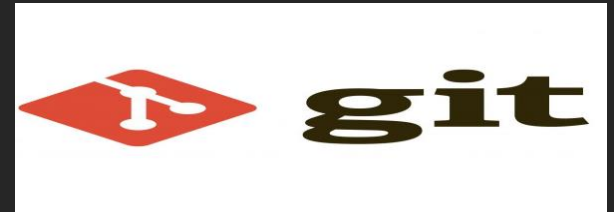# IBB UNIVERSITY

كلية العلوم التطبقية

قسم علوم حاسوب وتقنية

معلومات

SOFTWARE ENGINEERING

ASSIGNMENT:lab1

about:git

الطالب:محمد عبدالله مسعد الفتاحي

ENG:MALEK ALMOSANIF

level:IT4   frist term   group:C

```
C:\Users\hp
λ git config --global user.name "Mohammed Al-Fattahi"

C:\Users\hp
λ git config --global user.email "mohammedalfattahi87@.com"

C:\Users\hp
λ git config user.name
Mohammed Al-Fattahi

C:\Users\hp
λ git config user.email
mohammedalfattahi87@.com
```
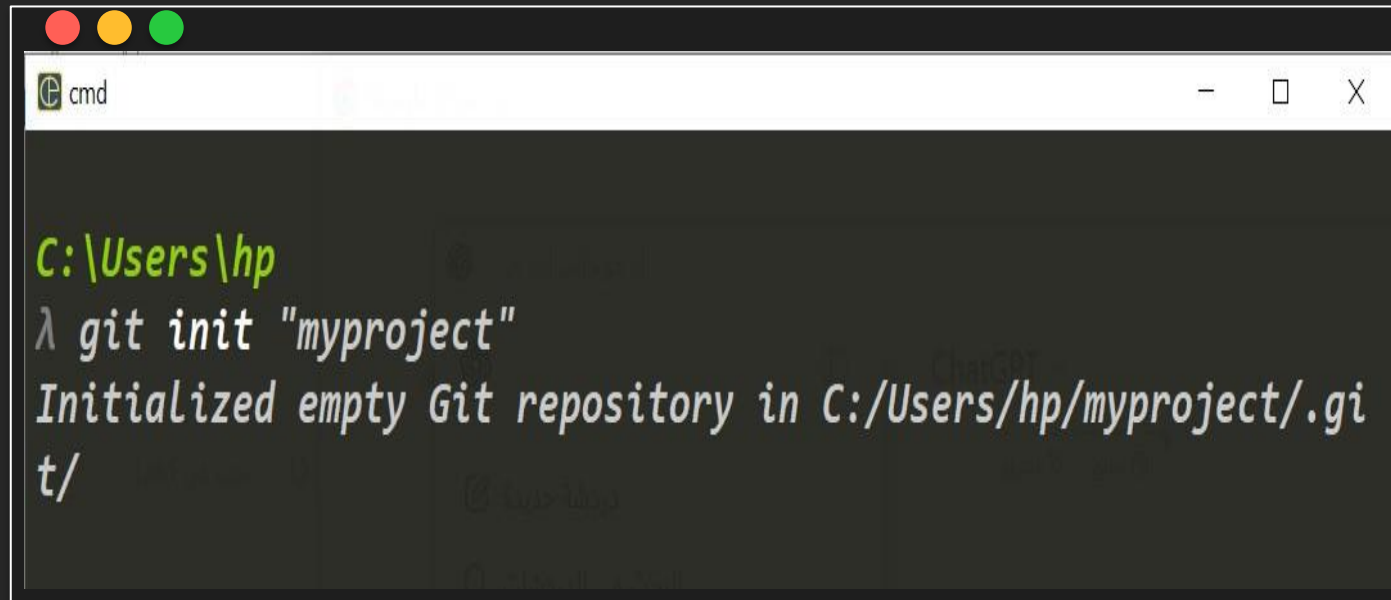
```
git config --global user.name "Mohammed alfattahi"
git config --global user.email "email"

git config user.name
git config user.email
```

```
C:\Users\hp
λ git init "myproject"
Initialized empty Git repository in C:/Users/hp/myproject/.git/
```

git intit
git status

```
λ git status
On branch master

No commits yet

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

C:\Users\hp\myproject (master)
λ touch index.html

C:\Users\hp\myproject (master)
λ 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)
```

git status
git touch

```
C:\Users\hp\myproject (master)
λ touch index.js

C:\Users\hp\myproject (master)
λ git add index.js

C:\Users\hp\myproject (master)
λ git commit -m"Create index.js"
[master (root-commit) d109ff0] Create index.js
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.html
 create mode 100644 index.js
```

```
git  add "name file"
git commit –m"message"
```

```
C:\Users\hp\myproject (master)
λ git log
commit f0ed90c0c14db861abeb8c86bbde3a1e1854a1ba (HEAD -> master)
Author: Mohammed Al-Fattahi <mohammedalfattahi87@.com>
Date:   Sun Jul 20 18:13:55 2025 +0300

    creating  javascript file and css file

commit d109ff0e1a3c96bfb465e9e80b38c150312a6620
Author: Mohammed Al-Fattahi <mohammedalfattahi87@.com>
Date:   Sun Jul 20 17:57:15 2025 +0300

    Create index.js
```

cmd

```
C:\Users\hp\myproject (master)
λ git branch
* master

C:\Users\hp\myproject (master)
λ git branch mohammed
```

```
git log
git branch
```

```
C:\Users\hp\myproject (master)
λ git checkout bc88d6d6931d4828cb8ef5f9cca4fa7aa9543bef
D       index.js
Note: switching to 'bc88d6d6931d4828cb8ef5f9cca4fa7aa9543bef'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at bc88d6d creating hello message
```

`git checkout "commit id"`

```
C:\Users\hp\myproject (master)
λ git checkout mohammed
D       index.js
Switched to branch 'mohammed'

C:\Users\hp\myproject (mohammed)
λ git switch master
D       index.js
Switched to branch 'master'

C:\Users\hp\myproject (master)
λ
```
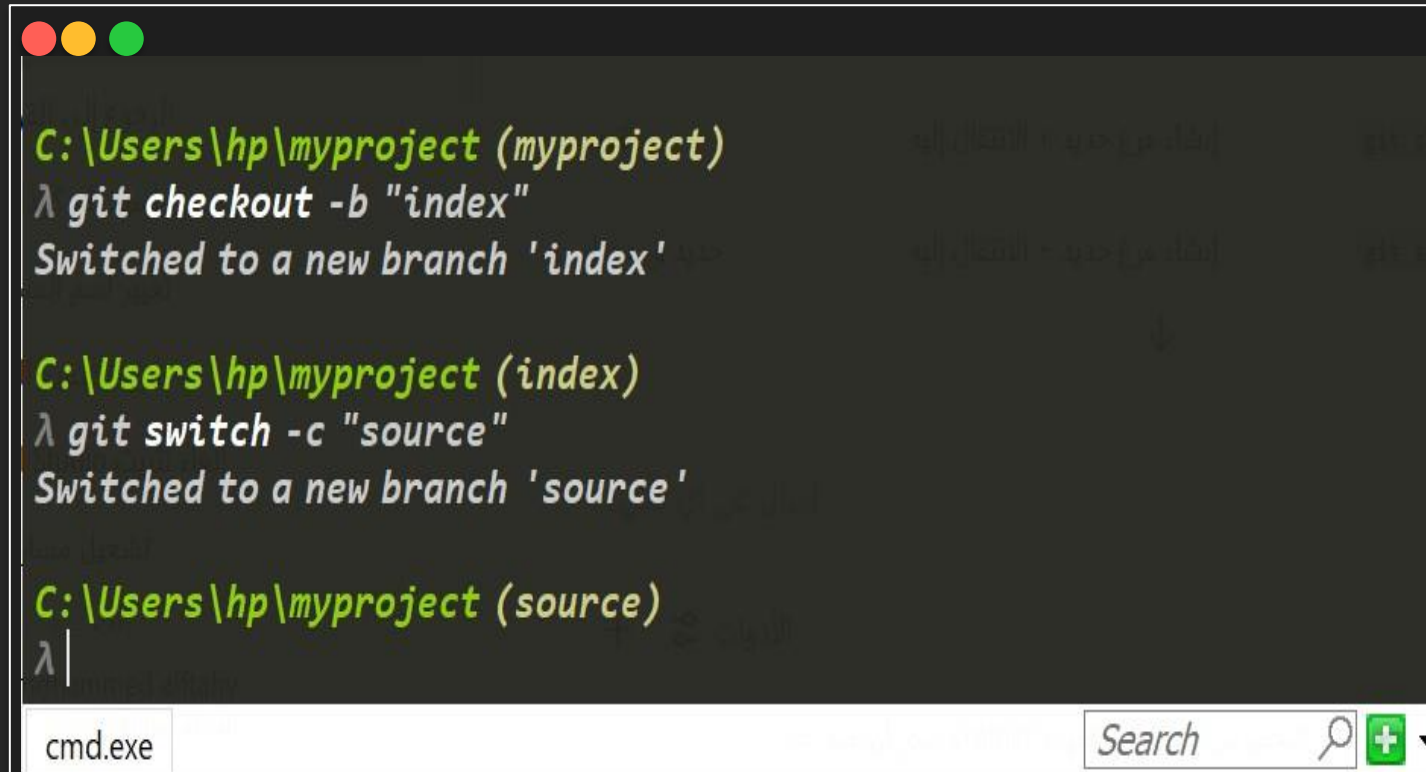
git checkout "branchname"
git switch "branchname"   this the best

```
C:\Users\hp\myproject (myproject)
λ git checkout -b "index"
Switched to a new branch 'index'

C:\Users\hp\myproject (index)
λ git switch -c "source"
Switched to a new branch 'source'

C:\Users\hp\myproject (source)
λ
```

cmd.exe   Search

git checkout –b"BranchName"
git switch -c "branchname"   this the best

```
C:\Users\hp\myproject (master)
λ git merge mohammed
Updating b5438e6..01ae470
Fast-forward
 index.html | 2 +-
 style.css  | 4 ++--
 2 files changed, 3 insertions(+), 3 deletions(-)
```

cmd.exe

Search

git merge targetbranch

```
C:\Users\hp\myproject (master)
λ git ls-files
chang.js
index.html
index.js
style.css

C:\Users\hp\myproject (master)
λ git clean -dn

C:\Users\hp\myproject (master)
λ git clean -df
```

الأمر	المعنى
git clean -dn	عرض (preview) الملفات التي سيتم حذفها دون أن يحذفها فعليًا.
git clean -df	حذف فعلي لكل الملفات غير المتتبعة.

```
git ls-files
git clean —dn
git clean -df
```

```
C:\Users\hp\myproject (master)
λ git restore style.css


C:\Users\hp\myproject (master)
λ git restore .
```

```
git restore "filename"
git restore .
```

```
C:\Users\hp\myproject (master)
λ git rm index.html
rm 'index.html'


C:\Users\hp\myproject (master)
λ git reset chang.js
```

```
git  rm "filename"
git  reset "filename"
```

Thank You

By :Mohammed Al-Fattahi

mohammedalfattahi87@gmail.com

https://github.com/mohammed-alfattahi/SoftwareEngineering_mohammed_AL_Fattahi.git