

## 1- تعريف Repo جديد

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git init
Reinitialized existing Git repository in C:/Users/zak71/Desktop/Azhar adel/labs/lab0/.git/
```

## 2- ضبط ايميل المستخدم واسمه

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git config --global user.email"zak71377@gmail.com"
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git config --global user.name"AZHAR"
```

## 3-اضافه ملف الى Stage Area

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git add azhar.txt
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>echo "hellow word">>azhar.txt
```

## 4-حفظ التغيرات وعمل snapshot

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git commit -m 'write'
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   azhar.txt

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

no changes added to commit (use "git add" and/or "git commit -a")
```

## 5-التحقق من حاله Repo

```

C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   azhar.txt

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

no changes added to commit (use "git add" and/or "git commit -a")

```

6- اظهار كل السجل الخاص ل repo

```

C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git log
commit bde1b3e15b55808e2c94542fba222af396025e1e (HEAD -> master, 'dddd', 'adel', 'abdo', 'aaaa')
Author: AZHAR <zak71377@gmail.com>
Date:   Mon Sep 2 22:49:40 2024 +0300

    'write'

```

7- انشاء فرع جديد

```

C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git branch 'adels'

```

8- الاستعلام عن كل الفروع في المشروع

```

C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git branch
'aaaa'
'abdo'
'adel'
'adels'
'dddd'
* master

```

9- للانتقال الى الفرع الاخر

```
master  
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git checkout 'adel'  
M      azhar.txt  
Switched to branch ''adel''
```

## 10- لتحويل الى فرع اخر

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git switch 'abdo'  
M      azhar.txt  
Switched to branch ''abdo''
```

## 11- لتحويل الى فرع اخر واذا لم يكون موجود يقوم بانشائه

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git switch -c 'aaa'  
Switched to a new branch ''aaa''
```

## 12- للانتقال الى فرع اخر واذا لم يكون موجود يقوم بانشائه

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git checkout -b 'dddd'  
fatal: a branch named ''dddd'' already exists
```

## 13- الانتقال الى فرع ال master

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git checkout master  
M      azhar.txt  
Switched to branch 'master'
```

## 14- دمج الفروع مع بعض

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git merge 'aaaa'  
Already up to date.
```

## 15- عمل قائمة بالملفات التي تحت المراقبة

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git ls-files  
azhar.txt
```

16- اظهر المجلدات التي سيتم حذفها التي لم يتم عمل مراقبة عليها

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git clean -dn  
Would remove az.txt
```

17- حذف التعديلات من كل الملفات

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git restore .
```

18- حذف ملف تم عمل commit له

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git rm 'azhar.txt'  
fatal: pathspec 'azhar.txt' did not match any files
```

19- سحب الملفات من stage area

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab0>git reset 'az.txt'  
fatal: ambiguous argument 'az.txt': unknown revision or path not in the working tree.  
Use '--' to separate paths from revisions, like this:  
'git <command> [<revision>...] -- [<file>...]'
```