

# أوامر Git الأساسية

## 1. تهيئة المستودع

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> git init
Initialized empty Git repository in C:/Users/Osama/Desktop/Assignment/lab 00/.git/
PS C:\Users\Osama\Desktop\Assignment\lab 00> git config --global user.email
PS C:\Users\Osama\Desktop\Assignment\lab 00> git config --global user.name "Osama Al-Badany"
```

```
git init
git config --global user.email
git config --global user.name "Osama Al-Badany"
```

## 2. إضافة الملفات وعرض الحالة

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> echo "osama albdani" > assignment01.txt
PS C:\Users\Osama\Desktop\Assignment\lab 00> echo "Second line" >> assignment01.txt
PS C:\Users\Osama\Desktop\Assignment\lab 00> git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
assignment01.txt

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

```
echo "osama albdani" > assignment01.txt
echo "Second line" >> assignment01.txt
git status
```

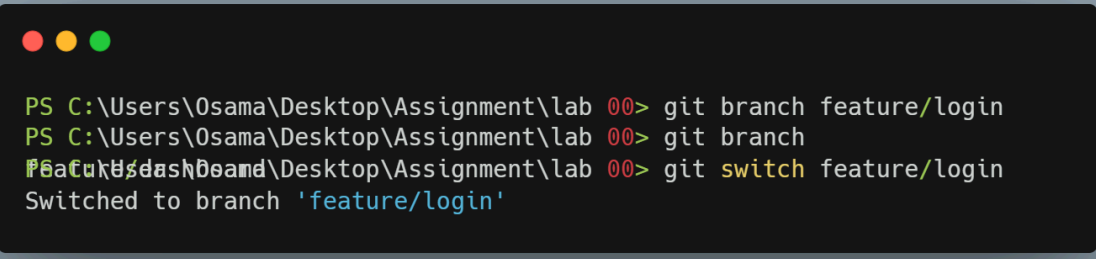
### 3. إضافة الملفات وحفظ التغييرات



```
PS C:\Users\Osama\Desktop\Assignment\lab 00> git add assignment01.txt
PS C:\Users\Osama\Desktop\Assignment\lab 00> git commit -m "Initial commit with assignment file"
[master (root-commit) def3fbf] Initial commit with assignment file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 assignment01.txt
```

```
git add assignment01.txt
git commit -m "Initial commit with assignment file"
```

### 4. إنشاء وتبديل الفروع



```
PS C:\Users\Osama\Desktop\Assignment\lab 00> git branch feature/login
PS C:\Users\Osama\Desktop\Assignment\lab 00> git branch
feature/login
PS C:\Users\Osama\Desktop\Assignment\lab 00> git switch feature/login
Switched to branch 'feature/login'
```

```
git branch feature/login
git branch
git switch feature/login
```

## 5. تعديل الملفات وحفظ التغييرات

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> echo "Login functionality" >> assignment01.txt
PS C:\Users\Osama\Desktop\Assignment\lab 00> git add assignment01.txt
PS C:\Users\Osama\Desktop\Assignment\lab 00> git commit -m "Add login functionality"
[feature/login 4ad1761] Add login functionality
1 file changed, 0 insertions(+), 0 deletions(-)
```

```
echo "Login functionality" >> assignment01.txt
git add assignment01.txt
git commit -m "Add login functionality"
```

## 6. دمج الفروع وعرض السجل

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> git switch main
fatal: invalid reference: main
PS C:\Users\Osama\Desktop\Assignment\lab 00> git merge feature/dashboard
Already up to date.
PS C:\Users\Osama\Desktop\Assignment\lab 00> git log --oneline --graph --all
* 4ad1761 (HEAD -> feature/login) Add login functionality
* def3fbf (master, feature/dashboard) Initial commit with assignment file
```

```
git switch main
git merge feature/dashboard
git log --oneline --graph --all
```

## 7. حذف الفروع

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> git branch -d feature/dashboard
Deleted branch feature/dashboard (was def3fbf).
```

```
git branch -d feature/dashboard
```

## 8. إضافة العلامات وحذف الملفات

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> git tag v1.0
PS C:\Users\Osama\Desktop\Assignment\lab 00> git rm assignment01.txt
rm 'assignment01.txt'
PS C:\Users\Osama\Desktop\Assignment\lab 00> git commit -m "Remove assignment file"
[feature/login 2624046] Remove assignment file
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 assignment01.txt
```

```
git tag v1.0
git rm assignment01.txt
git commit -m "Remove assignment file"
```

## 9. تجاهل الملفات

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> echo "*.log" >> .gitignore
PS C:\Users\Osama\Desktop\Assignment\lab 00> echo "node_modules/" >> .gitignore
PS C:\Users\Osama\Desktop\Assignment\lab 00> echo "env/" >> .gitignore
PS C:\Users\Osama\Desktop\Assignment\lab 00> git add .gitignore
PS C:\Users\Osama\Desktop\Assignment\lab 00> git commit -m "Add .gitignore for common
patterns/login d9ff033] Add .gitignore for common patterns
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 .gitignore
```

```
echo "*.log" >> .gitignore
echo "node_modules/" >> .gitignore
echo "env/" >> .gitignore
git add .gitignore
git commit -m "Add .gitignore for common patterns"
```

## 10. إنشاء التوثيق

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> mkdir docs

Directory: C:\Users\Osama\Desktop\Assignment\lab 00

Mode                LastWriteTime         Length Name
----                -
d-----           7/25/2025   3:14 AM             docs

PS C:\Users\Osama\Desktop\Assignment\lab 00> echo "Project documentation" > docs/readme.md
PS C:\Users\Osama\Desktop\Assignment\lab 00>
```

```
mkdir docs
echo "Project documentation" > docs/readme.md
```

## 11. إضافة التوثيق وحفظ التغييرات

```
PS C:\Users\Osama\Desktop\Assignment\lab 00> git add docs/
PS C:\Users\Osama\Desktop\Assignment\lab 00> git commit -m "Add docs directory with readme"
[feature/login 100b8ce] Add docs directory with readme
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 docs/readme.md
```

```
git add docs/
git commit -m "Add docs directory with readme"
```