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## Software Engineering

Assignment 00



## تقرير مختبر هندسة البرمجيات -المعمل الأول

الإسم : محد نعمان على ثابت منصر

البريد الإلكتروني: mmnsr9812@gmail.com

رابط https://github.com/Mohammedmonassar/Assignment.git\_: Github

عنوان المهمة : تنفيذ المحاضرة Lab0 , مقدمة حول ال

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#### خطوات التنفيذ

- إعداد معلومات المستخدم.
- إنشاء مستودع جديد والتحقق من الحالة.
  - إضافة أول ملف والتزامه.
- عرض سجل الإصدارات والتنقل إلى إصدار معين.
  - إنشاء فرع جديد والانتقال إليه.
    - دمج الفروع.
  - عرض الملفات وإجراء عمليات تنظيف.
  - استرجاع الملفات المحذوفة أو المعدلة.
  - حذف الملفات أو إعادة ضبط التغييرات.



#### الأدوات المستخدمة

واجهة أوامر نظام . (Command Line)



#### الهدف من المهمة

تعريف الطالب بأساسيات نظام التحكم في الإصدار ات Git من الأوامر.

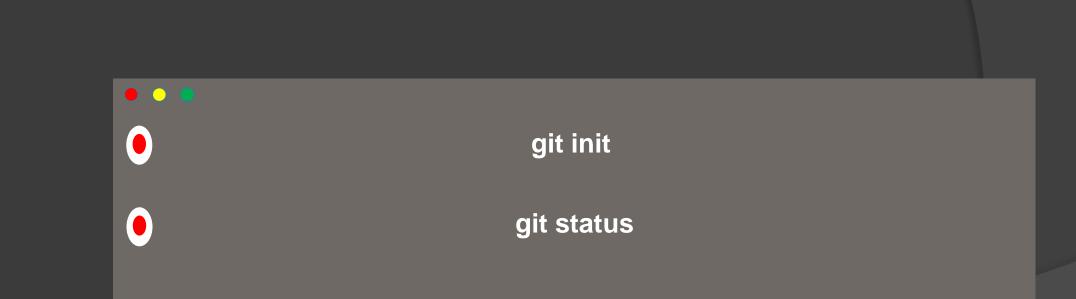
الصور التوضيحية :كل خطوة مدعومة بصور ملتقطة من بيئة التنفيذ، توضح الأوامر والنتائج الناتجة عنها، مما يعزز الفهم التطبيقي لنظام .Git

#### □ خطوات التنفيذ □ إعداد معلومات المستخدم



- git config --global user.email "mmnsr9812@gmail.com"
- git config --global user.name "Mohammed\_Munassar"

□ خطوات التنفيذ إنشاء مستودع جديد والتحقق من الحالة



#### □ خطوات التنفيذ القافة أول ملف والتزامة أول ملف والتزامة



git add firstAssignment.txt

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git commit -m "First Assignment"

```
حطوات التنفيذ عرض سجل الإصدارات والتنقل إلى إصدار معين عرض سجل الإصدارات
```

**(6)** 

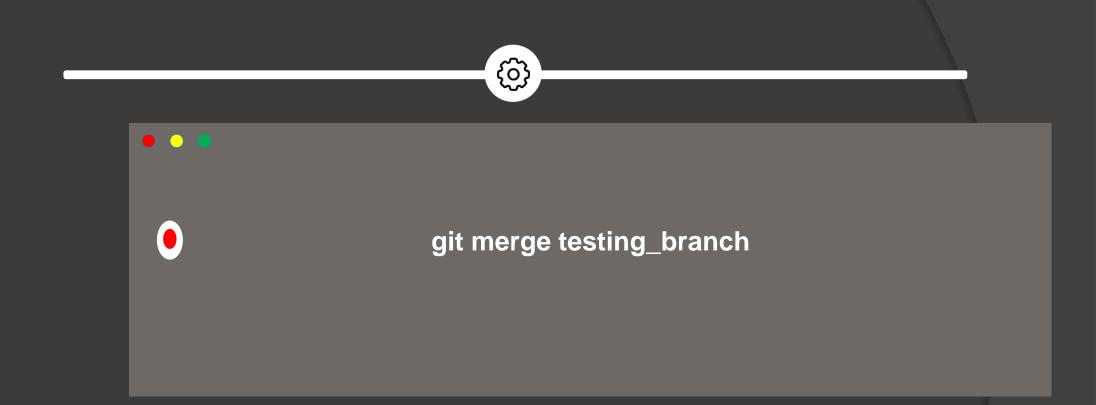
git log
git checkout <commit\_id>

#### □ خ**طوات التنفيذ** الشاء فرع جديد والانتقال إليه



• • •	
•	git branch
•	git branch testing_branch
•	git checkout testing_branch
•	git switch testing_branch

## □ **خطوات التنفي آ**ادمج الفرع مع الفرع الأساسي



خطوات التنفيذالنظيف المستودع

**(3)** 

git clean -dn # git clean -dn # git clean -dn # git clean -df

□ خ**طوات التنفيذ** ۩۩ إسترجاع الملفات المحذوفة أو المعدلة

**(3)** 

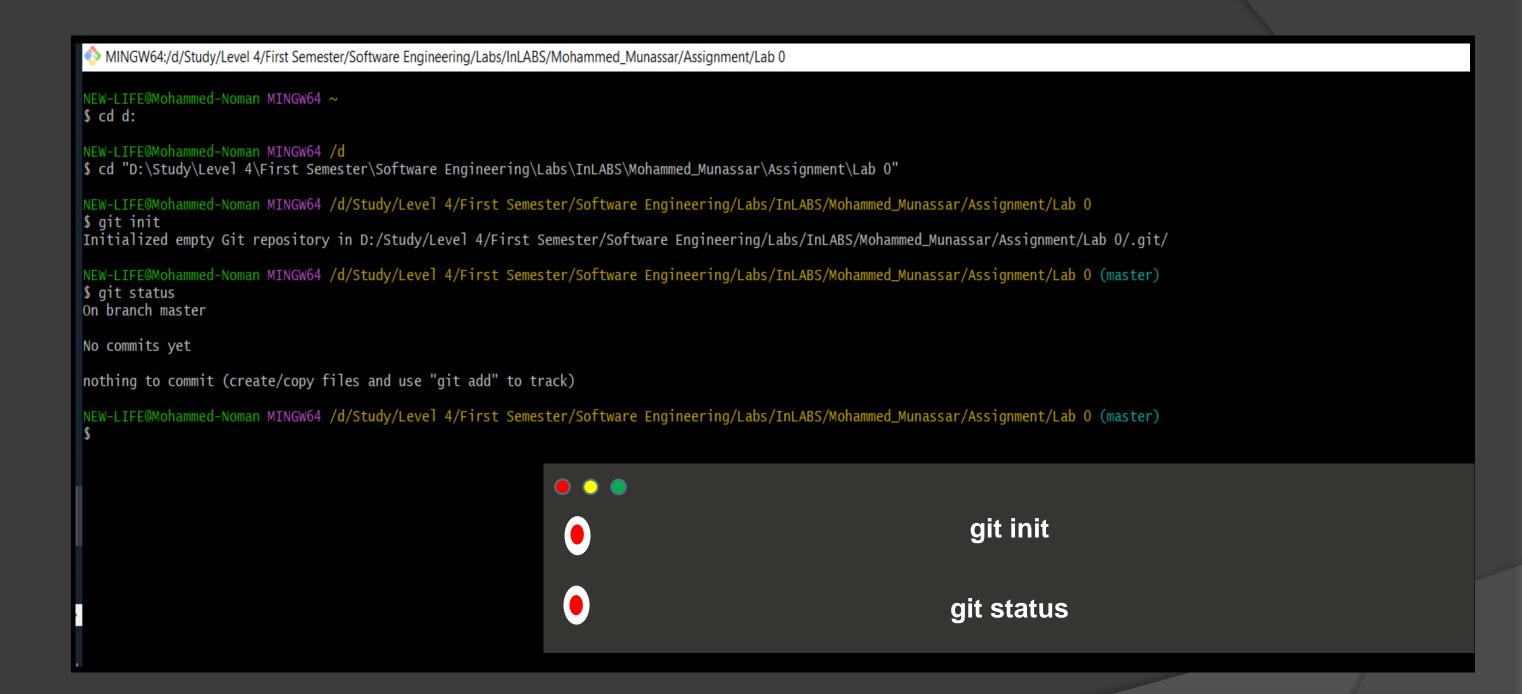
git restore firstAssignment.txt
git restore 
git restore

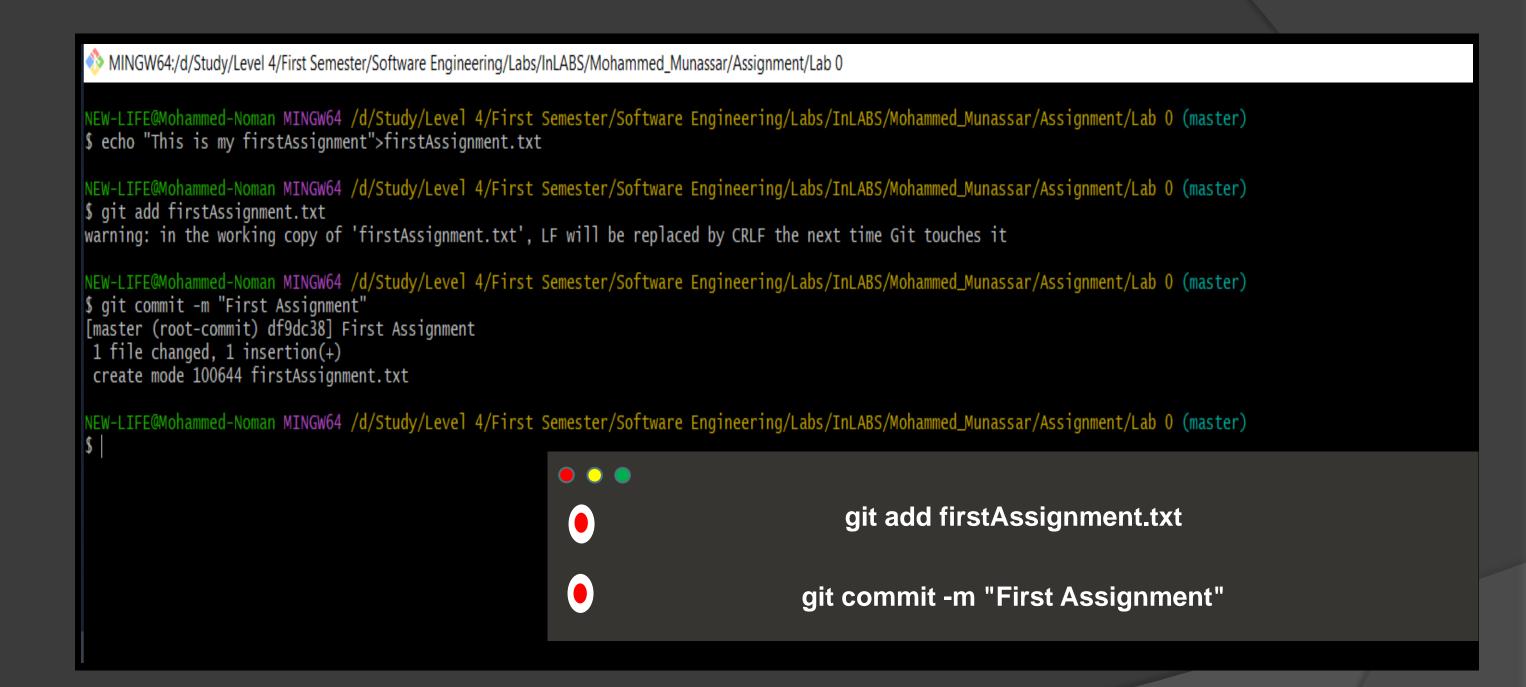
# ح**طوات التنفيذ** المستودع أو التراجع عن تتبعه المستودع أو التراجع عن تتبعه

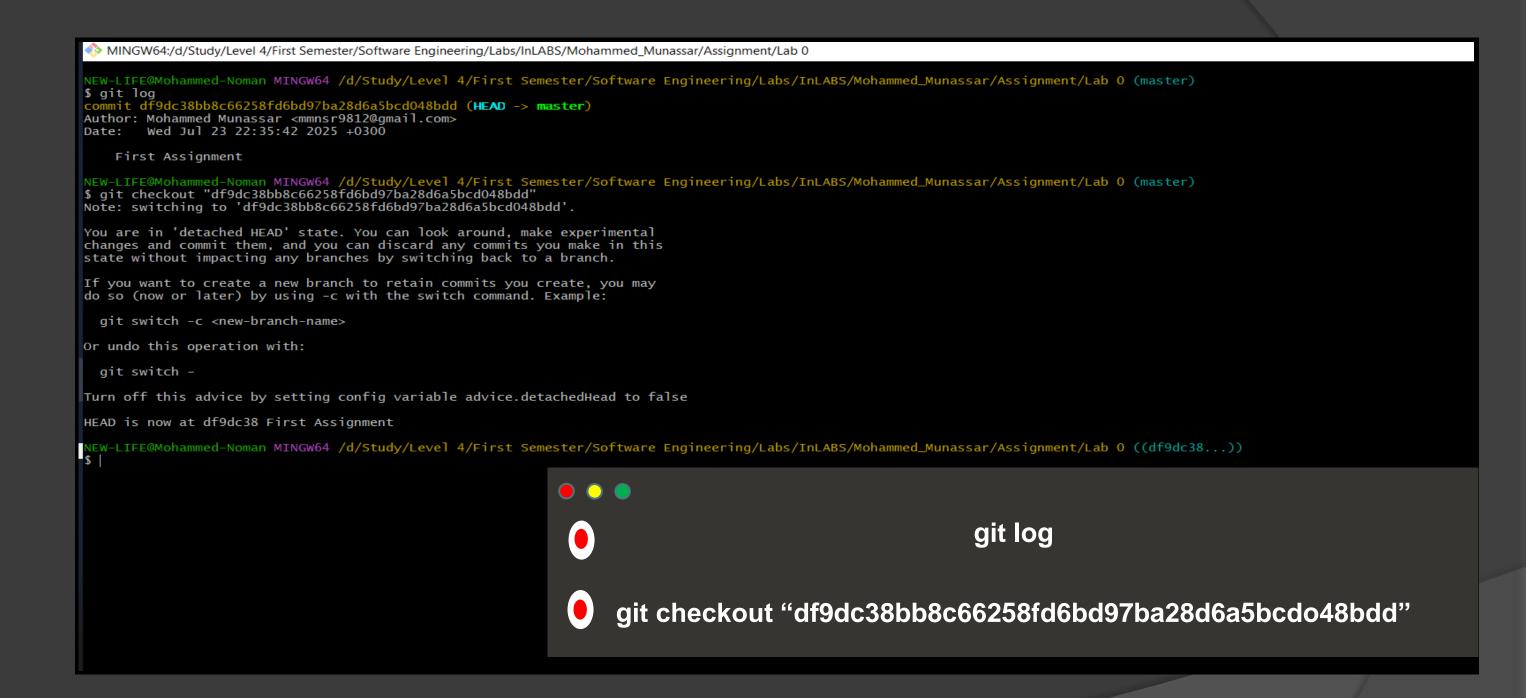


git rm firstAssignment.txt
git restore firstAssignment.txt

## MINGW64:/c/Users/NEW-LIFE NEW-LIFE@Mohammed-Noman MINGW64 ~ \$ git config --global user.email "mmnsr9812@gmail.com" NEW-LIFE@Mohammed-Noman MINGW64 ~ \$ git config --global user.name "Mohammed Munassar" NEW-LIFE@Mohammed-Noman MINGW64 ~ • • • git config --global user.email "mmnsr9812@gmail.com" git config --global user.name "Mohammed\_Munassar"







```
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 ((df9dc38...))
$ git branch
  (HEAD detached at df9dc38)
 master
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 ((df9dc38...))
$ git branch testing_branch
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 ((df9dc38...))
                                                   • • •
                                                                                              git branch
                                                                                    git branch testing_branch
```

```
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 ((df9dc38...))
$ git checkout testing_branch
Switched to branch 'testing_branch'
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git switch testing_branch
Already on 'testing_branch'
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
                                                          • •
                                                                                            git checkout testing_branch
                                                                                              git switch testing_branch
```

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NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git switch -c testing_branch
fatal: a branch named 'testing_branch' already exists
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git checkout -b testing_branch
fatal: a branch named 'testing_branch' already exists
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
                                                     • • •
                                                                                  git checkout -b testing_branch
                                                                                     git switch -c testing_branch
```

```
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git merge testing_branch
Already up to date.
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git ls-files firstAssignment.txt
firstAssignment.txt
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
                                                  git merge testing_branch
                                                                              git ls_files firstAssignment.txt
```

```
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git clean -dn
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git clean -df
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
                                                     • • •
                                                                                                git clean -dn
                                                                                                git clean -df
```

```
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git restore firstAssignment.txt
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git restore .
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
                                                      • • •
                                                                                      git restore firstAssignment.txt
                                                                                                   git restore
```

```
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
git rm firstAssignment.txt
rm 'firstAssignment.txt'
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git add firstAssignment.txt
fatal: pathspec 'firstAssignment.txt' did not match any files,
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
🖁 git reset firstAssignment.txt
fatal: ambiguous argument 'firstAssignment.txt': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'
NEW-LIFE@Mohammed-Noman MINGW64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
$ git status
                                                                      O
On branch testing_branch
Changes to be committed:
                                                                                                              git rm firstAssignment.txt
 (use "git restore --staged <file>..." to unstage)
       deleted: firstAssignment.txt
                                                                                                                           git ls_files
                                                                        NEW-LIFE@Mohammed-Noman\\in\@\\%3\\studix\iievel 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
انتقل إلى الإعدادت لتنشيط Windows $.
NEW-LIFE@Mohammed-Noman MINGw64 /d/Study/Level 4/First Semester/Software Engineering/Labs/InLABS/Mohammed_Munassar/Assignment/Lab 0 (testing_branch)
```