# First Assignment

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**Supervision of Mr.Malek**

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## تحديد الاسم والبريد الالكتروني

```
1  wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi
2  $ git config --global user.email "thurayawaheeb@gmail.com"
3
4  wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi
5  $ git config --global user.name "Thuraya Waheeb"
6
```

## نبدأ مشروع get ونعرض حالته

```
1   wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi
2   $ git init
3   Initialized empty Git repository in C:/Users/wahee/Desktop/Software_Engineering_Thuraya_Alhobaishi/.git/
4
5   wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (master)
6   $ git status
7   On branch master
8
9   No commits yet
10
11  nothing to commit (create/copy files and use "git add" to track)
12
```

ننشأ مجلد اسمه Lab1 وداخله ملف نص

```
wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (master)
$ mkdir Lab1

wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (master)
$ touch Lab1/t.txt
```

نأخذ الملف الذي نريد تعديله و نحفظه مع إمكانية التعديل

```
wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (master)
$ git add Lab1

wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (master)
$ git commit -m "First Assignment"
[master (root-commit) ad6c741] First Assignment
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Lab1/t.txt
```

نعرض حالة الملف المعدل و نعرض سجل التغييرات التي تم حفظها

```
1   wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (master)
2   $ git status
3   On branch master
4   Untracked files:
5     (use "git add <file>..." to include in what will be committed)
6           {FC686D66-FD46-43BB-8C2F-425359C37C42}.png
7
8   nothing added to commit but untracked files present (use "git add" to track)
9
10  wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (master)
11  $ git log
12  commit ad6c74197b7cfd2792f4dc457d935f924ecbc412 (HEAD -> master)
13  Author: Thuraya Waheeb <thurayawaheeb@gmail.com>
14  Date:   Fri Jul 25 16:00:47 2025 +0300
15
16      First Assignment
```

# التنقل بين الفروع او استرجاع ملف بحالته القديمة

```
1   wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (master)
2   $ git checkout "ad6c74197b7cfd2792f4dc457d935f924ecbc412"
3   Note: switching to 'ad6c74197b7cfd2792f4dc457d935f924ecbc412'.
4
5   You are in 'detached HEAD' state. You can look around, make experimental
6   changes and commit them, and you can discard any commits you make in this
7   state without impacting any branches by switching back to a branch.
8
9   If you want to create a new branch to retain commits you create, you may
10  do so (now or later) by using -c with the switch command. Example:
11
12    git switch -c <new-branch-name>
13
14  Or undo this operation with:
15
16    git switch -
17
18  Turn off this advice by setting config variable advice.detachedHead to false
19
20  HEAD is now at ad6c741 First Assignment
```

# إدارة الفروع في المشروع+إضافة فرع جديد+الانتقال الى الفرع الجديد

```
1   wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi ((ad6c741...))
2   $ git branch
3   * (HEAD detached at ad6c741)
4     master
5
6   wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi ((ad6c741...))
7   $ git branch 'flower'
8
9   wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi ((ad6c741...))
10  $ git checkout 'flower'
11  Switched to branch 'flower'
```

## انشاء فرع جديد والانتقال له مباشرة +عرض قائمة الملفات الحالية

```
1  wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (flower)
2  $ git switch -c 'sun'
3  Switched to a new branch 'sun'
4
5  wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (sun)
6  $ git ls-files
7  Lab1/t.txt
```

## حذف الملفات غير المتعقبة +استرجاع الملفات +استرجاع الملفات لحالتها القديمة

```
1  wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (sun)
2  $ git clean -dn
3  Would remove {FC686D66-FD46-43BB-8C2F-425359C37C42}.png
4
5  wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (sun)
6  $ git restore Lab1/t.txt
7
8  wahee@Thuraya MINGW64 ~/Desktop/Software_Engineering_Thuraya_Alhobaishi (sun)
9  $ git restore .
```