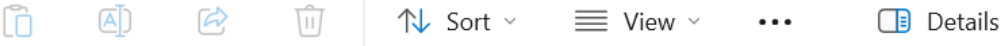Lab1_

GO to directory and create folder :

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~ (master)
$ cd Desktop/

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop (master)
$ |
```

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop (master)
$ mkdir git-test

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop (master)
$ |
```


Name	Date modified	Type
test01	7/23/2024 8:01 PM	File folder

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test (master)
$ cd test01/

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ |
```

Create repository:

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git init
Initialized empty Git repository in C:/Users/foooo/Desktop/git-test/test

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ |
```

Create file:

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ touch first.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$
```

Add command:

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git add first.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ |
```

Commit commant:

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git commit -m "add file"
[master (root-commit) 2ff4221] add file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 first.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$
```

File 2

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ touch second.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git add second.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git commit -m "add file 2"
[master 165b5f7] add file 2
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 second.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
```

Create 3 &4

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ touch third.txt fourth.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$
```

Add command :

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git add third.txt fourth.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git commit -m "add file 3 and 4"
[master 53f6663] add file 3 and 4
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fourth.txt
 create mode 100644 third.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$
```

Log

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git log
commit 53f6663bcfaf5de7a141e43d5c23a40f9d13162f (HEAD -> master)
Author: fahad <fa.alsaadi99@gmail.com>
Date:   Tue Jul 23 20:16:50 2024 +0300

    add file 3 and 4

commit 165b5f74a0e9640f29ddc737487178a2c4565c68
Author: fahad <fa.alsaadi99@gmail.com>
Date:   Tue Jul 23 20:12:11 2024 +0300

    add file 2

commit 2ff42218a49e92570b0b061402a39512511d12f0
Author: fahad <fa.alsaadi99@gmail.com>
Date:   Tue Jul 23 20:10:04 2024 +0300

    add file

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$
```

Lab 2:

Go directly:

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~ (master)
$ cd Desktop/git-test/test01/

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ |
```

Show branch:

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git branch
* master

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ |
```

Create and move :

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git checkout -b new-feature
Switched to a new branch 'new-feature'

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$
```

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$ touch lab02.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$ git add lab02.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$ git commit -m " first file in Lab 2"
[new-feature ecb4d03]  first file in Lab 2
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab02.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$ |
```

ls

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$ ls
first.txt  fourth.txt  lab02.txt  second.txt  third.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$ |
```

File not found :

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$ ls
first.txt  fourth.txt  lab02.txt  second.txt  third.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (new-feature)
$ git switch master
Switched to branch 'master'

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ ls
first.txt  fourth.txt  second.txt  third.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ |
```

Merge :

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git merge new-feature
Updating 53f6663..ecb4d03
Fast-forward
 lab02.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 lab02.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ ls
first.txt  fourth.txt  lab02.txt  second.txt  third.txt

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$
```

Lab 3:

Git remote:

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git remote

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ |
```

```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git remote add lab_git https://github.com/FahadAlsaadi99/lab3_git.

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ git push https://github.com/FahadAlsaadi99/lab3_git.git
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 776 bytes | 776.00 KiB/s, done.
Total 9 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/FahadAlsaadi99/lab3_git.git
 * [new branch]      master -> master

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$
```

FahadAlsaadi99 first file in Lab 2		ecb4d03 · 24 minutes ago	4 Commits
first.txt	add file		42 minutes ago
fourth.txt	add file 3 and 4		35 minutes ago
lab02.txt	first file in Lab 2		24 minutes ago
second.txt	add file 2		40 minutes ago
third.txt	add file 3 and 4		35 minutes ago

Markdown-Lab1 (Bonus)


```
# Data Science

## What is Data Science?

**Data Science** is a _multidisciplinary field_ that combin statistics , computer scince and domain nowledge.

<img src="dataimage.png" alt="DS Image" width="400" height="400">

### Data Types

- **Structured Data**
- **Unstructured Data**
- **Semi-structured Data**

#### Data Types Table

| Structured                                            | semi-structured                                             | Unstructured                        |
|-------------------------------------------------------|------------------------------------------------------------|-------------------------------------|
| It is data that has been organized into a strict schema. | It is data that does not conform to a schema but has some structure. | It is data that has no schema. |
| e.g: Tables                                           | e.g: xml                                                   |                                     |

```python
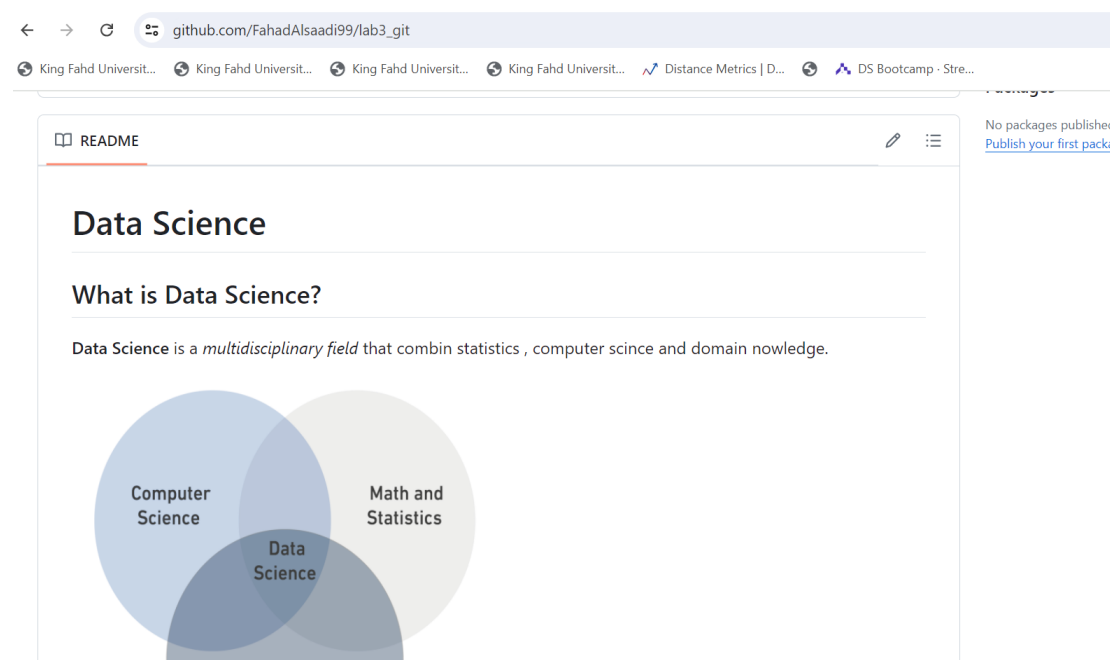print("DS Bootcamp")```

Read more: [Read more](https://en.wikipedia.org/wiki/Data_science).
```



```
fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ touch README.md

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ nano README.md

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ nano README.md

fode2023@DESKTOP-CJGGF92 MINGW64 ~/Desktop/git-test/test01 (master)
$ |
```


github.com/FahadAlsaadi99/lab3_git

Data Science

What is Data Science?

Data Science is a *multidisciplinary field* that combin statistics , computer scince and domain nowledge.

← → ⟳ ⊡ github.com/FahadAlsaadi99/lab3_git

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📖 **README** ✏️ ☰

Domain
Knowledge

Data Types

- **Structured Data**
- **Unstructured Data**
- **Semi-structured Data**

Data Types Table

Structured	semi-structured	Unstructured
It is data that has been organized into a strict schema.	It is data that does not conform to a schema but has some structure.	It is data that has no schema.

← → ⟳ ⊡ github.com/FahadAlsaadi99/lab3_git

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📖 **README** ✏️ ☰

- Unstructured Data
- **Semi-structured Data**

Data Types Table

Structured	semi-structured	Unstructured
It is data that has been organized into a strict schema.	It is data that does not conform to a schema but has some structure.	It is data that has no schema.
e.g: Tables	e.g: xml	

```
python print("DS Bootcamp")
```

Read more: Read more.