

# Git-Lab1: Local[Add, Commit, Log]

```
zalja@LAPTOP-ECSNHQRE MINGW64 -  
$ cd Downloads/  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads (master)  
$ mkdir git-test  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads (master)  
$ cd git-test  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test (master)  
$ mkdir test01  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test (master)  
$ cd test01/  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ git init  
Initialized empty Git repository in C:/Users/zalja/Downloads/git-test/test01/.git/  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ touch first.txt  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ git add .  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ git commit -m "first commit"  
[master (root-commit) 9e3be85] first commit  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 first.txt  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ touch second.txt  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ git add .  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ git commit -m "second commit"  
[master ba52214] second commit  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 second.txt  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ touch third.txt  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ touch fourth.txt  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ git add .  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ git commit -m "third commit"  
[master 3f61da5] third commit  
2 files changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 fourth.txt  
create mode 100644 third.txt  
  
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)  
$ git log  
commit 3f61da5b1d6089a28b2f27dc58b2dd6785615429 (HEAD -> master)  
Author: Ziyad-Aljaser <Ziyad.m.aljaser@gmail.com>  
Date: Tue Jul 23 19:57:13 2024 +0300  
  
    third commit  
  
commit ba52214e071ebf94f714bcbac6e06021c5fb3478  
Author: Ziyad-Aljaser <Ziyad.m.aljaser@gmail.com>  
Date: Tue Jul 23 19:56:19 2024 +0300  
  
    second commit  
  
commit 9e3be85f0a7226fc06a63d26d04c13356639bca2  
Author: Ziyad-Aljaser <Ziyad.m.aljaser@gmail.com>  
Date: Tue Jul 23 19:55:53 2024 +0300  
  
    first commit
```

## Git-Lab2: Local[Branches and Merging]

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ git branch
* master
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ git branch new-feature
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ git checkout new-feature
Switched to branch 'new-feature'
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (new-feature)
$ touch lab02.txt
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (new-feature)
$ git add .
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (new-feature)
$ git commit -m "Lab 2 Commit"
[new-feature cb3deef] Lab 2 Commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab02.txt
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (new-feature)
$ ls
first.txt  fourth.txt  lab02.txt  second.txt  third.txt
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (new-feature)
$ git checkout master
Switched to branch 'master'
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ ls
first.txt  fourth.txt  second.txt  third.txt
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ git merge new-feature
Updating 3f61da5..cb3deef
Fast-forward
 lab02.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab02.txt
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ ls
first.txt  fourth.txt  lab02.txt  second.txt  third.txt
```

# Git-Lab3: GitHub Remotely

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ git remote

zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ git remote add new-remote https://github.com/Ziyad-Aljaser/LAB-3.git
```

```
zalja@LAPTOP-ECSNHQRE MINGW64 ~/Downloads/git-test/test01 (master)
$ git push --set-upstream new-remote master
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), 805 bytes | 805.00 KiB/s, done.
Total 9 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/Ziyad-Aljaser/LAB-3.git
 * [new branch]      master -> master
branch 'master' set up to track 'new-remote/master'.
```

Ziyad-Aljaser / LAB-3

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Ziyad-Aljaser Lab 2 Commit cb3deef · 26 minutes ago 4 Commits

first.txt	first commit	1 hour ago
fourth.txt	third commit	1 hour ago
lab02.txt	Lab 2 Commit	26 minutes ago
second.txt	second commit	1 hour ago
third.txt	third commit	1 hour ago

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)

# Markdown-Lab1 (Bonus):

## Create Markdown file (Readme) for your repository

LAB-3 / README.md

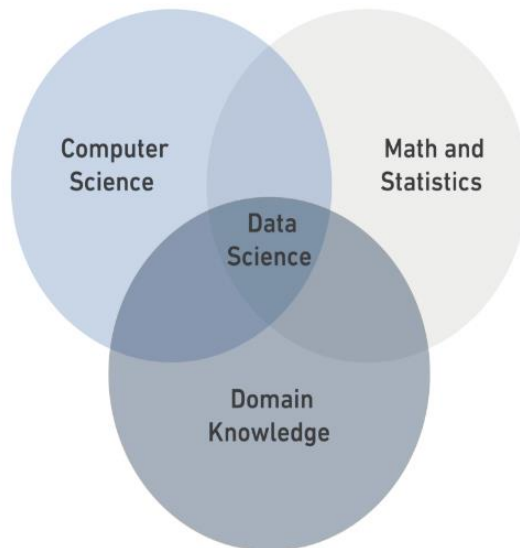
Ziyad-Aljaser Update README File594d7b7 · 1 minute agoHistory

PreviewCodeBlame26 lines (17 loc) · 667 BytesCode 55% faster with GitHub CopilotRawDownloadEditView

```
1  # Data Science
2
3  ## What is Data Science?
4
5  **Data Science** is a _multidisciplinary field_ that combines statistics, computer science, and domain knowledge.
6
7  
8
9  ### Data Types:
10
11  * Structured Data
12  * Semi-Structured Data
13  * Unstructured Data
14
15  ### Data Types Table
16
17  | Structured | Semi-Structured | Unstructured |
18  | -|-|-|
19  | 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. |
20  | e.g: tables | e.g: xml | e.g: photos |
21
22  ```python
23  print("DS Bootcamp")
24  ```
25
26  [Read More](https://en.wikipedia.org/wiki/Data_science)
```

## What is Data Science?

Data Science is a *multidisciplinary field* that combines statistics, computer science, and domain knowledge.



### Data Types:

- Structured Data
- Semi-Structured Data
- Unstructured 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	e.g: photos

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



[Read More](#)

Repository Link: <https://github.com/Ziyad-Aljaser/LAB-3>