

University of Management and Technology (UMT),  
Lahore Campus

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BS Data Science

Course: Intro to Data Science (DS291)

Assignment – 01: Python Basics with Git & GitHub  
Submission

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**Submitted By:**

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**Instructor:** Mr. Arslan Ahmad

**Semester/Section:** 4th Semester, Section D1

**Submission Date:** 15 November 2025

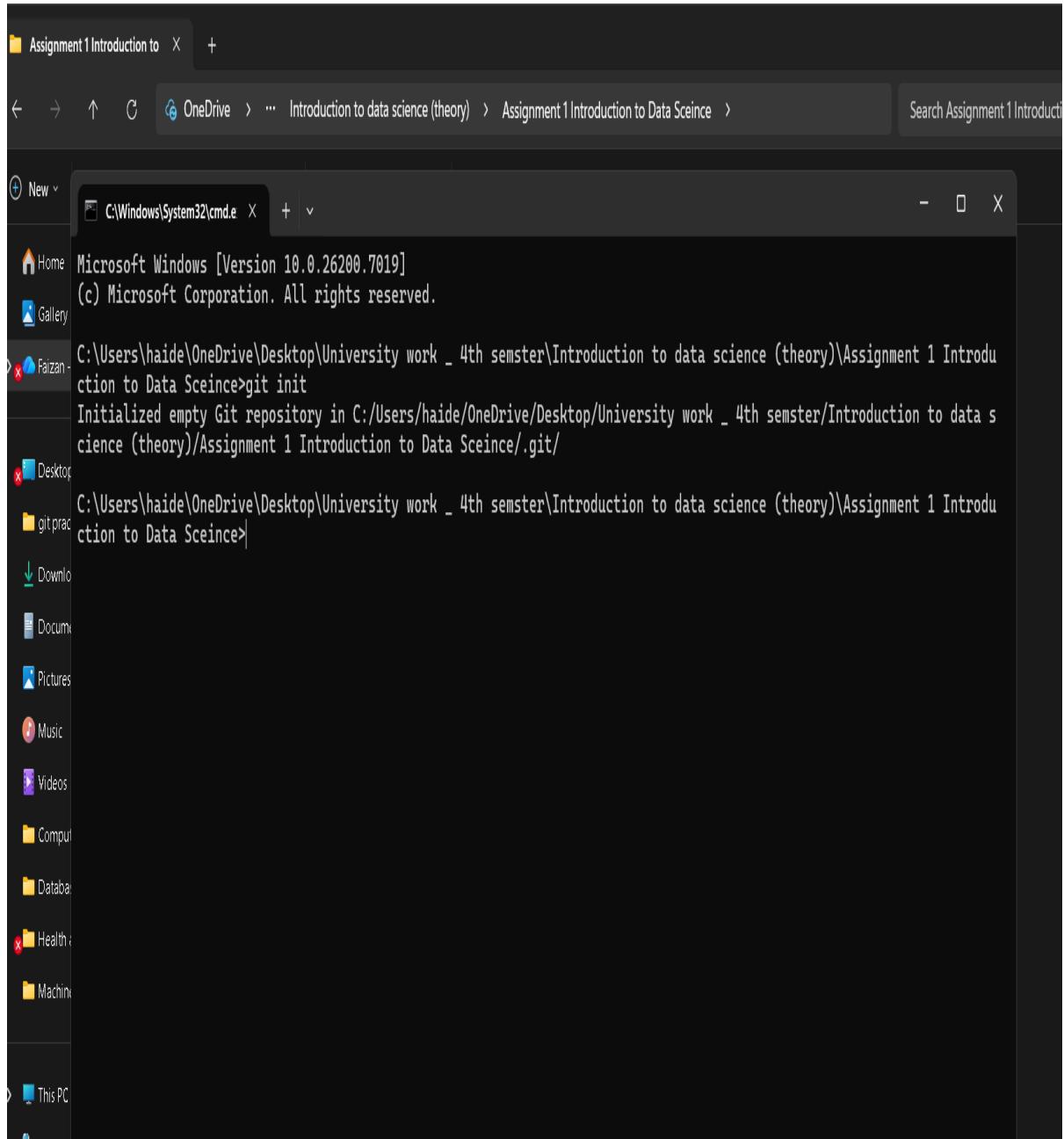
## **Objective:**

The objective of this assignment is to demonstrate the complete workflow of version control using Git and GitHub, including initializing a local repository, adding and committing files, connecting to a remote repository, and pushing the files to GitHub, with all steps documented through screenshots

**Check out my DS291 Assignment 01:**

[https://github.com/Faizanhaider013/IntroToDataScience\\_Assignment01\\_Faizan.git](https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git)

**Screenshot 1 initializing empty repository:**



**Screenshot 2 working Area**

```
C:\Windows\system32> 

Microsoft Windows [Version 10.0.26200.7019]
(c) Microsoft Corporation. All rights reserved.

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git init
Initialized empty Git repository in C:/Users/haide/OneDrive/Desktop/University work _ 4th semster/Introduction to data science (theory)/Assignment 1 Introduction to Data Sceince/.git/

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .ipynb_checkpoints/
    .virtual_documents/
    Assignment_s2024332017.ipynb
    anaconda_projects/
```

### Screenshot 3: adding to staging area

A screenshot of a Windows Command Prompt window titled "Assignment 1 Introduction to Data Science". The window shows the following command-line session:

```
C:\Windows\System32\cmd.exe + v
Assignment_1_Introduction_to_Data_Science
Search Assignment_1_Introduction_to_Data_Science

Assignment_s2024332017.ipynb
anaconda_projects/
nothing added to commit but untracked files present (use "git add" to track)

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git add .
warning: in the working copy of '.ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb', LF will be replaced by CRLF
the next time Git touches it
warning: in the working copy of 'Assignment_s2024332017.ipynb', LF will be replaced by CRLF the next time Git touches it
C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git add .

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git status
On branch master

No commits yet

Changes to be committed:
(use "git rm --cached <file>..." to unstage)
  new file: .ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb
  new file: .virtual_documents/Untitled.ipynb
  new file: Assignment_s2024332017.ipynb
  new file: anaconda_projects/db/project_filebrowser.db

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>
```

**Screenshot 4: committing and checking log**

```
C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file: .ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb
    new file: .virtual_documents/Untitled.ipynb
    new file: Assignment_s2024332017.ipynb
    new file: anaconda_projects/db/project_filebrowser.db

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git commit -m " Assignment 1 has been Created "
[master (root-commit) 625c4ec] Assignment 1 has been Created
 4 files changed, 421 insertions(+)
create mode 100644 .ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb
create mode 100644 .virtual_documents/Untitled.ipynb
create mode 100644 Assignment_s2024332017.ipynb
create mode 100644 anaconda_projects/db/project_filebrowser.db

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git log --oneline
625c4ec (HEAD -> master) Assignment 1 has been Created
```

### Screenshot 5: mygit hub account:

The screenshot shows a GitHub profile page for the user `Faizanhaider013`. The profile picture is a circular portrait of a man with dark hair and a beard, wearing a grey t-shirt. The bio section below the picture reads "M.Faizan haider" and "Faizanhaider013 · he/him". The user is listed as a "DATA Scientist". The "Popular repositories" section displays six repositories: "moive-recommender-app" (Python, 1 star, Public), "Traning-an-iris-dataset-using-randomforestclassifier" (Jupyter Notebook, Public), "Deep-learning-and-neural-networks" (Python, Public), "pizza-sale-sql" (Public), "Netflix\_title-Visaulization" (Jupyter Notebook, Public), and "Movie-recommender-system" (Jupyter Notebook, Public). A "Contribution grid" for the year 2024 shows activity across the months from November to November, with most contributions occurring in September and October. The bottom of the screen shows a taskbar with various application icons.

**Screenshot 6: repository name and other information**

The screenshot shows the GitHub interface for creating a new repository. At the top, there is a navigation bar with icons for New repository, Search, and various user and repository management options. The main title is "Create a new repository". Below it, a sub-instruction says "Repositories contain a project's files and version history. Have a project elsewhere? Import a repository". A note indicates that required fields are marked with an asterisk (\*).

**General**

**Owner**: Faizanhaider013 / **Repository name**: IntroToDataScience\_Assignment01\_Faizan

A tooltip for the repository name says: "IntroToDataScience\_Assignment01\_Faizan is available."

**Description**: "This repository contains Assignment 01 of DS291 (Intro to Data Science), including Python basics solved in Jupyter notebooks."

Character count: 164 / 350 characters

**Configuration**

**Choose visibility**: Public

**Add README**: Off (0) - READMEs can be used as longer descriptions. [About READMEs](#)

**Add .gitignore**: No .gitignore - .gitignore tells git which files not to track. [About ignoring files](#)

### Screenshot 7 : other information of repository

Quick setup — if you've done this kind of thing before

Setup in Desktop or HTTPS SSH [https://github.com/Faizanhaider013/IntroToDataScience\\_Assignment01\\_Faizan.git](https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git)

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# IntroToDataScience_Assignment01_Faizan" >> README.md  
git init  
git add README.md  
git commit -m "first commit"  
git branch -M main  
git remote add origin https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git  
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git  
git branch -M main  
git push -u origin main
```

**Screenshot 8: pushing my local repository to remote**

The screenshot shows a Windows Command Prompt window titled 'C:\Windows\System32\cmd.e'. The command history is as follows:

```
create mode 100644 .ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb
create mode 100644 .virtual_documents/Untitled.ipynb
create mode 100644 Assignment_s2024332017.ipynb
create mode 100644 anaconda_projects/db/project_filebrowser.db

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git log --oneline
625c4ec (HEAD -> master) Assignment 1 has been Created

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git remote add origin https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git branch -M main

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git push -u origin main
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (10/10), 4.10 KiB | 1.03 MiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>
```

Screenshot 9: final repository view

The screenshot shows a GitHub repository page for 'IntroToDataScience\_Assignment01\_Faizan'. The repository is public and has 1 branch and 0 tags. The main file listed is 'README.md'.

**Repository Summary:**

- Owner: Faizanhaider013
- Name: IntroToDataScience\_Assignment01\_Faizan
- Status: Public
- Branches: 1 Branch
- Tags: 0 Tags
- Last commit: 39 seconds ago by Faizanhaider013 (Add README for DS291 Assignment 01)
- Commits: 2 Commits

**File List:**

- .ipynb\_checkpoints (Assignment 1 has been Created, 37 minutes ago)
- .virtual\_documents (Assignment 1 has been Created, 37 minutes ago)
- .anaconda\_projects/db (Assignment 1 has been Created, 37 minutes ago)
- Assignment\_1.ipynb (Assignment 1 has been Created, 37 minutes ago)
- README.md (Add README for DS291 Assignment 01, 26 minutes ago)

**Description:**

This repository contains Assignment 01 of DS291 (Intro to Data Science), including Python basics solved in Jupyter Notebook and Git/GitHub workflow documentation.

**Repository Metrics:**

- Readme
- Activity
- 0 stars
- 0 watching
- 0 forks

**README Content:**

# DS291 - Assignment 01

Course: Intro to Data Science  
Instructor: Mr. Arslan Ahmad  
Semester: Fall 2025

**Releases:**

No releases published  
[Create a new release](#)

**Packages:**

No packages published  
[Publish your first package](#)