**Experiment 1.1**

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**Branch: MCA – CCD Section/Group: 22MCD-1/Grp A**

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**Subject: DevOps Process Automation Lab Subject Code: 22CAP-745**

**1. Aim/Overview of the practical:**

The aim of this practical is to get familiar with version control systems (Git or Github) and learn the fundamental concepts of creating local repositories, making commits, working with remote repositories.

**2. Task to be done:**

(a) Create a python file named as your UID (eg.22MCC20172.txt) with some code inside it on a Local Repository named as your UID (eg. 22MCC20172). Push this file on Remote Repo.

(b) Create another Local Repository named as your name (eg. ABC) and pull the files from Remote Repo in it. After this, create a new file in new Local Repo i.e. ABC and push it to Remote Repo. Again pull the files on old Local Repo i.e. 22MCC20172.

(c) At last, visit Remote Repo and commit some changes in a file created i.e. 22MCC20172.txt and pull the file again in new Local Repo i.e. ABC. Check whether the changes are existing in file in Local Repo or not.2) Create and apply custom formulas to derive specific insights from the sales data.

**3. Code for experiment/practical:**

**a)**

• Create a folder named 22MCC20172 and then create a txt file named 22MCC20172.txt inside it. **mkdir 22MCC20172.**

• Navigate to the newly created folder **cd 22MCC20172.**

• Initialize a new Git repository in the current directory **git init.**

• Check the status of your repository and the files within it **git status**.

• Add the 22MCC20172.txt file to the staging area **git add 22MCC20172**.

• Check the status again to confirm the file is staged **git status.**

• Commit the changes to the repository with a meaningful message **git commit -m “Done”.**

• Add a remote repository named origin <https://github.com/Kumar-Rohit1998/Rohitgitexp1>

• Push the committed changes to the remote repository on the master/main branch **git push -u origin main**

**b)**

• Create a new directory named Rohit and navigate into it. **mkdir Rohit ,cd Rohit.**

• Initialize a new Git repository in the current directory **git init.**

• Add a remote repository named origin **git remote add origin git remote add origin**

<https://github.com/Kumar-Rohit1998/Rohitgitexp1>

• And then pull the file **git pull origin main.**

**Now, add second file.**

• Check the status of your repository to see the changes **git status.**

• Add the new file named second\_file.py to the staging area **git add second.txt**.

• Check the status again to confirm the file is staged **git status.**

• Commit the staged changes with a meaningful message **git commit -m “Done”.**

• Push the committed changes to the remote repository on the master branch **git push -u origin master.**

• Change directory to first local repo.

• **cd 22MCC20172**

• **git pull origin master**

**c)**

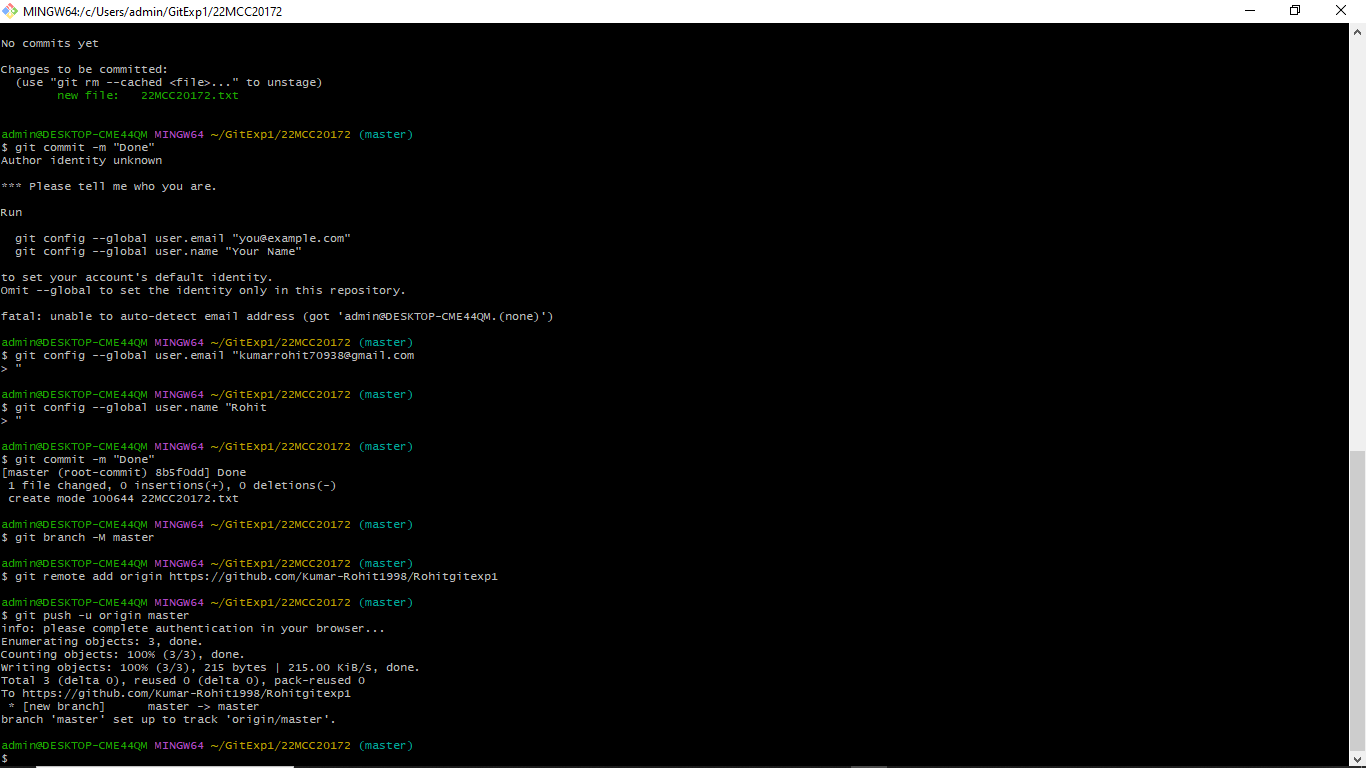
Go to github and change some code in first file.

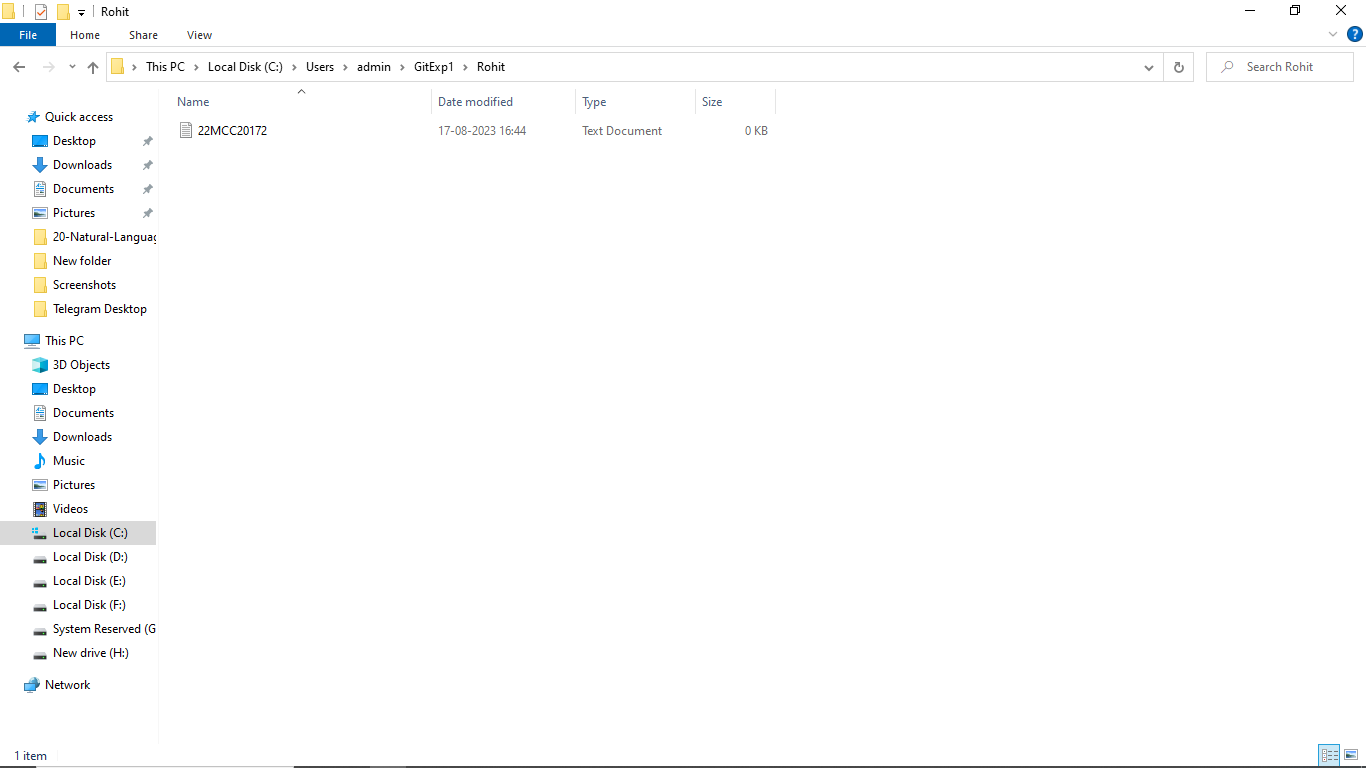
• **Cd Rohit**

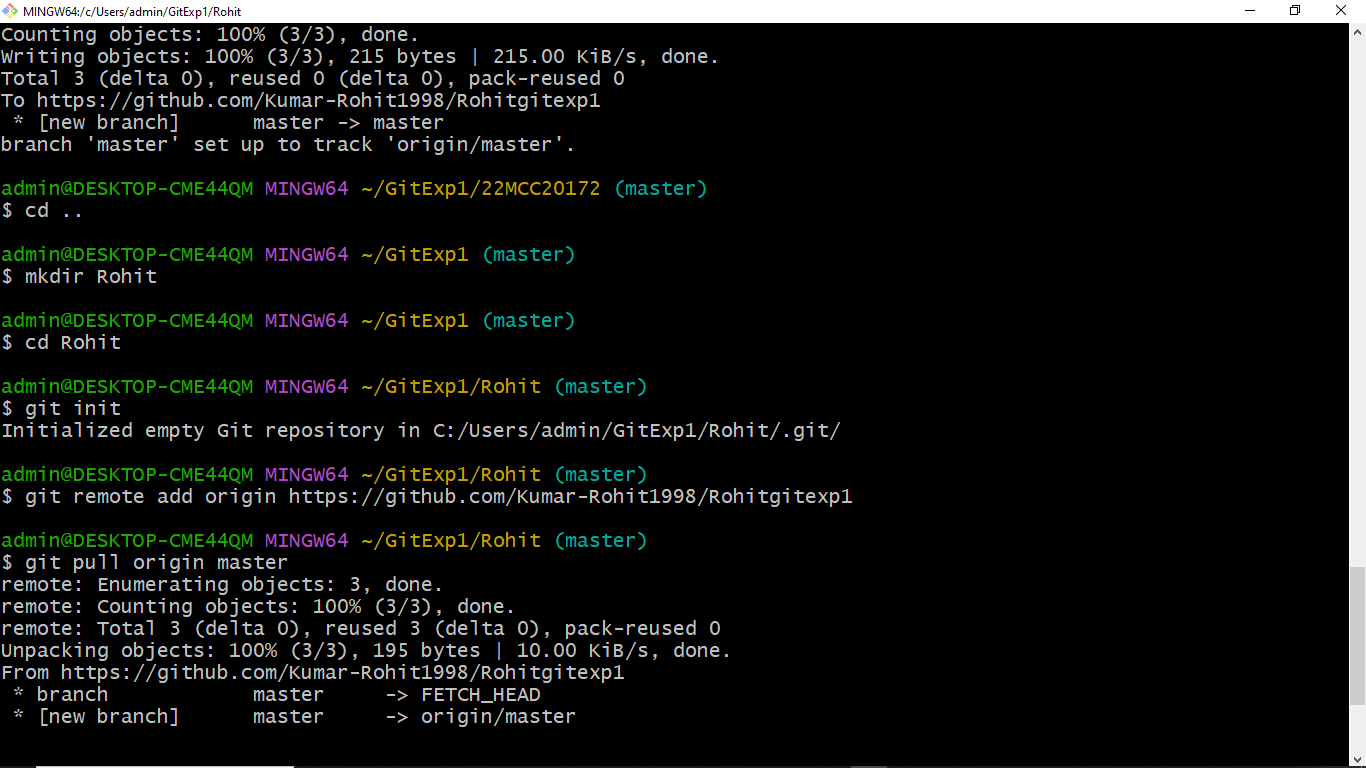
• **Git pull origin master**

**4. Result/Output/Writing Summary:**

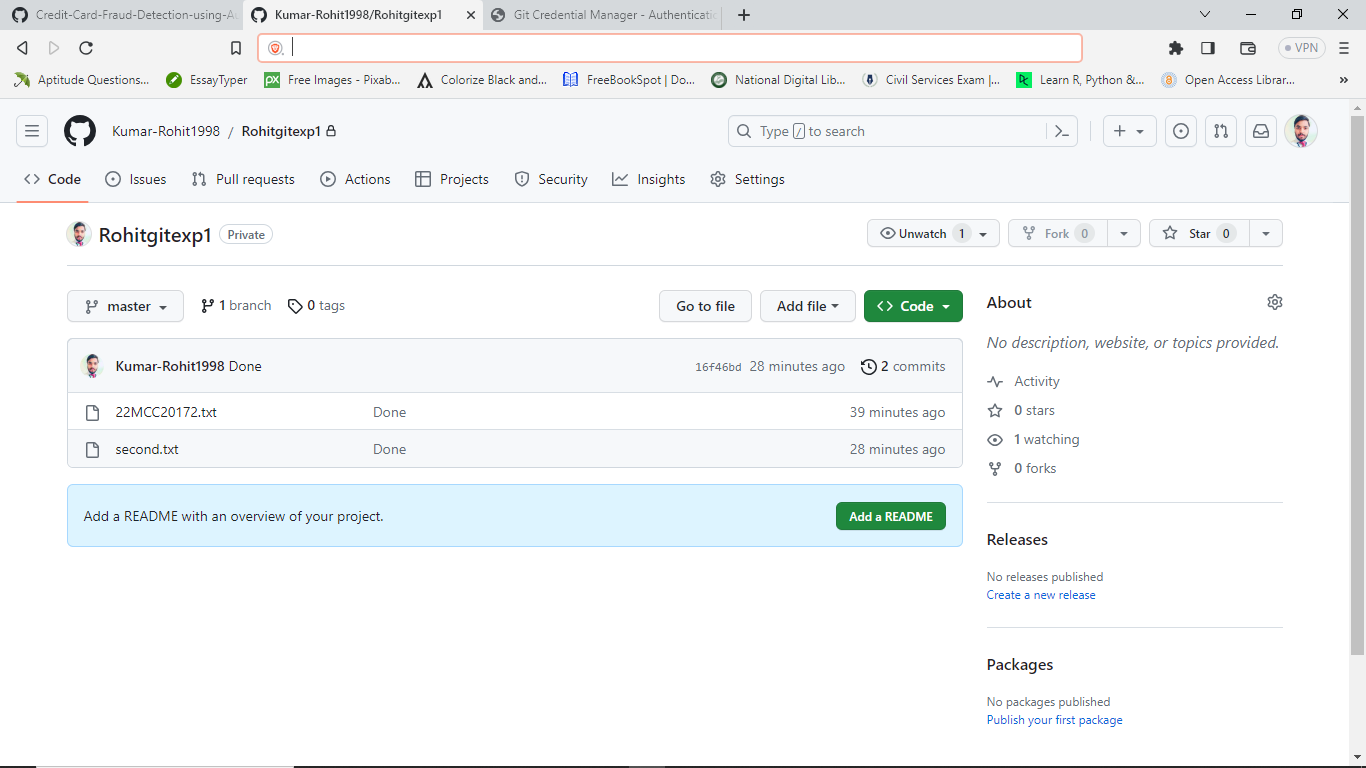
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