FINTECH - proje\_1 used and might be helpful functions for Group 5 :

**GIT COMMITS;**

**REWRITE HISTORY ( What we did was to bring the files back which were overwritten. We rewrote the working tree from a specific commit.)**

**Rewriting branches, updating commits and clearing history,**

**git rebase [branch]**

**apply any commits of current branch ahead of specified one,**

**git reset --hard [commit]**

**REVERT ( It usually describes a new commit that undoes previous commits.)**

**Reset to last commit,**

**git reset --hard(NO UNDO)**

**git revert branch**

**Replaces previous commit,**

**git commit -a --amend**

**Git checkout id file**

**git reset [file] (unstage a file while retaining the changes in working directory)**

**diff of what is changed but not staged,**

**git diff**

**diff of what is staged but not yet committed,**

**git diff --staged**

**To show all commits in the current branch’s history,**

**git log**

**SHARE & UPDATE (Retrieving updates from another repository and updating local repos)**

**add a git URL as an alias,**

**git remote add [alias] [url]**

**fetch down all the branches from that Git remote,**

**git fetch [alias]**

**merge a remote branch into your current branch to bring it up to date**

**git merge [alias]/[branch]**

**Transmit local branch commits to the remote repository branch**

**git push [alias] [branch]**

**fetch and merge any commits from the tracking remote branch**

**git pull**

**BRANCH & MERGE (Isolating work in branches, changing context, and integrating changes)**

**list your branches. a \* will appear next to the currently active branch**

**git branch**

**create a new branch at the current commit**

**git branch [branch-name]**

**switch to another branch and check it out into your working directory**

**git checkout “Branch name”**

**merge the specified branch’s history into the current one**

**git merge [branch]**

**show all commits in the current branch’s history**

**git log**

**TRACKING PATH CHANGES(Versioning file removes and path changes)**

**delete the file from project and stage the removal for commit**

**git rm [file]**

**change an existing file path and stage the move**

**git mv [existing-path] [new-path]**

**show all commit logs with indication of any paths that moved**

**git log --stat -M**

**Issue search looks through issues and pull requests on GitHub search bar:(Just in case I wanted to include some of them here. These operations are for GitHub search)**

**encoding user:Group5\_Project Encoding issues across the Group5\_Project.**

**strange comments:>42 Issues with more than 42 comments.**

**author:mojombo All issues authored by mojombo.**

**mentions:divy All issues mentioning divy.**

**assignee:Seda All issues assigned to Seda.**

**exception created:>2021-01-01 Created since the beginning of 2021.**

**exception updated:<2021-12-30 Last updated before 2022.**

***Carl’s Trick* : for collecting the data for all the records : pd.read\_clipboard()**