

Lab Assignment 7

Create an account on the github website, and install git desktop.

create a git repository at your local system

Synchronize the git repository on your local system with the git webpage.

Commit the work at regular intervals

Revert to an earlier commit and start the coding from there again.

Write a script which runs the following commands on a database through python while using version control through github.

1. Create a view of instructors without their salary called faculty
2. Create a view of department salary totals
3. Create a role of student
4. Give select privileges on the view faculty to the role student.
5. Create a new user and assign her the role of student.
6. Revoke privileges of the new user
7. Remove the role of student.
8. Give select privileges on the view faculty to the new user.
9. Create table teaches2 with same columns as teaches but with additional constraint that that semester is one of fall, winter, spring or summer.
10. Create index ID column of teaches. Compare the difference in time to obtain query results with or without index.
11. Drop the index to free up the space.

Small Project

Create a python program/application which asks users to fill up a form (say name, address, contact number etc) and inserts those values into a corresponding table in a database. Use git to manage the code.