

PyDrill Database Functionality for File Transfer 3.4

Title: Database functionality for File Transfer - Python 3.4 – IDLE

Scenario: You recently created a script that will check a folder for new or modified files, and then copy those new or modified files to another location. You also created a UI that makes using the script easier and more versatile.

Users are reporting issues with the current system you've made. Specifically, they are having to manually initiate the 'file check' script at the same time each day. Because they aren't doing this at the EXACT same time each day, some files that were edited right around the time the script was meant to be run were missed, and weren't copied to the outgoing files destination.

This means you will have to provide for recording the last time the 'file check' process was performed, so that you can be sure to cover the entire time period in which new or edited files could occur.

To do this, you will need to create a database with a table that can store the date and time of the last 'file check' process. That way, you can use that date/time as a reference point in terms of finding new or modified files.

As part of this project, the users are asking that their UI display the date and time of the last 'file check' process.

You have been asked to implement this functionality. This means that you will need to

- create a database and a table
- modify your script to both record date/time of 'file check' runs and to retrieve that data for use in the 'file check' process, and
- modify the UI to display the last 'file check' date/time

Guidelines:

Use Python 3.4 for this drill.

Use sqlite for your database functionality.

Use tkinter module for the UI.

The layout of the UI is up to you.

You should use IDLE or any text editor that you are comfortable with for the Drill.

Once you create a functioning program that is approved by your instructor, save it for later use. Do not modify this saved copy during subsequent drills.