Author: Nicholas Curci

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Description: Runs the spreadsheet audit

* First checks for duplicates within each sheet of the Audit Spreadsheet
* Then check for duplicates across each sheet
* Then checks for consistency between Resonant database and the excel sheet
* Then checks for consistency between LifeSuite database and the excel sheet

Jira Ticket: LDM-1548

Notes: need to update the mkdir commands – code works fine now, just a subjective preference on the backend

Functions:

**Spreadsheet\_Audit:** This is the main bracket for the code, the code will be executed from within here

**SelectFile**: This function opens a pop-up window that allows you to select your input file. In this case it is the MU\_Audit.xlsx file

**SelectBeginAndRunDate**: This function calls the begin and run dates from the input box

**GetPaths**: This function sets the output directories needed, it does this by allowing the user to select them themselves.

**GlobalVariables**: his function defines variables as global since we are using variables created from different functions. We then define them below.

**DefineTables**: This function defines the tables that we will create an use across the code.

**DupesBySheet**: This function takes the MU Audit spreadsheet (the original excel file) and finds the duplicates within each sheet.

**AllDupes**: This function takes the MU Audit spreadsheet (the same original excel file) and finds the duplicates across sheets.

**Connection**: To connect to SQL Server, we need to create pyodbc connections, this will allow us to read the stored procs

**StoredProcResults**: To use the data that we just got from the stored procs, we need to call it

**AllExcelPols**: This function finds every single policy number in the original MU Audit excel file

**PolsInLifeNotInExcel**: This function uses SQL to create a new table based on left joins. i.e. what exists in table 1 (lifesuite stored proc) that does not exists in table 2 (MU Audit spreadsheet)

**PolsInResNotInExcel**: This is a replication of the above function but for resonant this time