Excel code for check processing

Thursday, June 30, 2022 8:29 AM

```
Source = Excel.CurrentWorkbook() { [Name=Table1"] } [Content],
#"Changed Type" = Table.TransformColumnTypes (Source, (( "EMPLOYEE ID", Int64.Type), ( "SALARY START DATE", type date))),
   Source = Excel.CurrentWorkbook()-[[Name="Table1"]](Content),
   #"Changed Type" = Table, TransformColumnTypes(Source, (i"EMPLOYEE ID", Int64, Type), ("SALARY", Int64, Type), ("SALARY START DATE", type date))).
    #"Inserted Year" = Table.AddColumn(#"Changed Type", "Year", each Date.Year([SALARY START DATE]), Int64.Type),
   #"Removed Columns" = Table.RemoveColumns(#"Inserted Year",("SALARY START DATE")),
   #"Pivoted Column" = Table.Pivot[Table.TransformColumnTypes(#"Removed Columns", {["Year", type text]}, "en-US"], List.Distint(Table.TransformColumnTypes(#"Removed Columns", {["Year", type
   #"Reordered Columns" = Table.ReorderColumns(#"Pivoted Column", ("EMPLOYEE ID", "2018", "2019", "2020", "2021"))
   #"Reordered Columns"
                                                             Source = Excel.CurrentWorkbook():[Name="Table1"]](Content),
                                                             #"Changed Type" = Table. TransformColumnTypes(Source, (["EMPLOYEE ID", Int64.Type), ("SALARY", Int64.Type), ("SALARY START DATE", type date)]),
                                                              #"Inserted Year" = Table AddColumn(#'Changed Type", "Year", each Date. Year([SALARY START DATE]), Int64.Type),
                                                             #"Removed Columns" = Table.RemoveColumns(#"Inserted Year",("SALARY START DATE")),
                                                           #"Photed Column" = Table Provid Table Transform Column () "Feer", type text)], "en-US", [Let. District[Table. Transform Column Types(# Removed Columns", (["Year", type text]), "en-US", [Year", SMARY", List. Sum), #"Reordered Columns" = Table Reorder Columns(# "Proted Columns", "CMPC DIEE to", "2018", "2019", "2019", "2019", "2011")
                                                                                function main(workbook: ExcelScript.Workbook) {
                                                                                                                                                                                                                         Display data
                                                                                 // Get all the worksheets in the workbook.
                                                                                 let sheets = workbook.getWorksheets();
                                                                                                                                                                                                                         Apply conditional formatting
                                                                                 // Get a list of all the worksheet names.
                                                                                                                                                                                                                         This sample applies conditional formatting to the currently used range in the worksheet.
                                                                                                                                                                                                                         The conditional formatting is a green fill for the top 10% of values.
                                                                                 // Write in the console all the worksheet names and the total count.
                                                                                                                                                                                                                         function main(workbook: ExcelScript.Workbook) {
                                                                                 console.log('Total worksheets inside of this workbook: ${sheets.length}'):
                                                                                                                                                                                                                          // Get the current worksheet.
                                                                                                                                                                                                                          let selectedSheet = workbook.getActiveWorksheet():
                                                                                 // Set the tab color each worksheet to a random color
                                                                                  for (let sheet of sheets) (
                                                                                                                                                                                                                          // Get the used range in the worksheet.
                                                                                   // Generate a random color hex-code.
                                                                                                                                                                                                                          let range = selectedSheet.getUsedRange();
                                                                                   let colorString = '#${Math.random().toString(16).substr(-6)}';
                                                                                                                                                                                                                          // Set the fill color to green for the top 10% of values in the range.
                                                                                   // Set the color of the current worksheet's tab to that random hex-code.
                                                                                                                                                                                                                          let \, conditional Format = range. add Conditional Format (ExcelScript, Conditional Format Type, topBottom)
                                                                                   sheet.setTabColor(colorString);
                                                                                                                                                                                                                          conditionalFormat.getTopBottom().getFormat().getFill().setColor("green");
                                                                                                                                                                                                                          conditionalFormat.getTopBottom().setRule({
                                                                                                                                                                                                                           rank: 10, // The percentage threshold.
                                                                                                                                                                                                                           type: ExcelScript.ConditionalTopBottomCriterionType.topPercent // The type of the top/bottom
                                                               Log the "Grand Total" values from a PivotTable
                                                               This sample finds the first PivotTable in the workbook and logs the values in the "Grand
                                                               Total" cells (as highlighted in green in the image below).
                                                               function main(workbook: ExcelScript.Workbook) {
                                                                                                                                                                                                             Query and delete from a collection
                                                                // Get the first PivotTable in the workbook.
                                                                 let pivotTable = workbook.getPivotTables()[0];
                                                                 // Get the names of each data column in the PivotTable.
                                                                                                                                                                                                              function main(workbook: ExcelScript.Workbook) {
                                                                 let pivotColumnLabelRange = pivotTable.getLayout().getColumnLabelRange();
                                                                                                                                                                                                                // Name of the worksheet to be added.
                                                                                                                                                                                                               let name = "Index":
                                                                 // Get the range displaying the pivoted data.
                                                                 let pivotDataRange = pivotTable.getLayout().getBodyAndTotalRange();
                                                                                                                                                                                                               // Get any worksheet with that name.
                                                                                                                                                                                                                let sheet = workbook.getWorksheet("Index");
                                                                 // Get the range with the "grand totals" for the PivotTable columns.
                                                                 let grandTotalRange = pivotDataRange.getLastRow();
                                                                                                                                                                                                                // if 'null' wasn't returned, then there's already a worksheet with that name.
                                                                 // Print each of the "Grand Totals" to the console.
                                                                                                                                                                                                                 console.log('Worksheet by the name ${name} already exists. Deleting it.');
                                                                 grandTotalRange.getValues()[0].forEach((column, columnIndex) => (
                                                                                                                                                                                                                // Delete the sheet
                                                                  console.log('Grand total of ${pivotColumnLabelRange.getValues()[0][columnIndex]]:
                                                                                                                                                                                                                sheet.delete();
                                                                ${grandTotalRange.getValues()[0][columnIndex])'};
                                                                  // Example log: "Grand total of Sum of Crates Sold Wholesale: 11000"
                                                                                                                                                                                                               // Add a blank worksheet with the name "Index".
                                                                                                                                                                                                               // Note that this code runs regardless of whether an existing sheet was deleted.
                                                                                                                                                                                                                console.log('Adding the worksheet named $(name).');
                                                                                                                                                                                                               let newSheet = workbook.addWorksheet("Index");
```

// Switch to the new worksheet. newSheet.activate();

Handle a #SPILL! error returned from a formula

oses the range "A1:D2" to "A4:87" by using the TRANSPOSE function. If the transpose results in

```
function main(workbook: ExcelScript.Workbook) (
let sheet = workbook.getActiveWorksheet():
 // Use the data in A1:D2 for the sample.
                                                                                                                     X
 let dataAddress = "A1:D2"
let inputRange = sheet.getRange(dataAddress);
                                                                                                                  input-table-
                                                                                                                     filters
// Place the transposed data starting at A4.
let targetStartCell = sheet.getRange("A4");
                                                                                                                  Sample Excel file
                                                                                                                  Download tables-copy.xlsx for a ready-to-use workbook. Add the following scripts to try
 // Compute the target range.
                                                                                                                  the sample yourself!
 let targetRange = targetStartCell.getResizedRange(inputRange.getColumnCount() - 1,
                                                                                                                  Sample code: Combine data from multiple Excel tables
inputRange.getRowCount() - 1);
// Call the transpose helper function.
                                                                                                                  into a single table
targetStartCell.setFormula('=TRANSPOSE($(dataAddress))');
                                                                                                                  function main(workbook: ExcelScript.Workbook) (
                                                                                                                   // Delete the "Combined" worksheet, if it's present
 // Check if the range update resulted in a spill error.
                                                                                                                   workbook.getWorksheet('Combined')?.delete():
let checkValue = targetStartCell.getValue() as string;
if (checkValue === '#SPILL!') (
                                                                                                                   // Create a new worksheet named "Combined" for the combined table.
 // Clear the target range and call the transpose function again.
                                                                                                                    const newSheet = workbook.addWorksheet('Combined');
  console.log("Target range has data that is preventing update. Clearing target range.");
  targetRange.clear();
                                                                                                                   // Get the header values for the first table in the workbook.
  targetStartCell.setFormula('=TRANSPOSE($(dataAddress})');
                                                                                                                   // This also saves the table list before we add the new, combined table.
                                                                                                                   const tables = workbook.getTables();
                                                                                                                   const headerValues = tables[0].getHeaderRowRange().getTexts();
  Ouick Notes Page 1
```

a #SPILL error, it clears the target range and applies the formula again.

```
const headerValues = tables(0).getHeaderRowRange().getTexts(); console.log(headerValues);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    // Copy the headers on a new worksheet to an equal-sized range.
const trapstRange = newSheet getRange('AT').getResizedRange(headerValues.length-1,
headerValues(0].length-1);
targetRange.setValues(headerValues);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  // Add the data from each table in the workbook to the new table, const combined Table = newSheet_addTable!targetRange_getAddress[], true]; for (let table of tables) {
let datavalues = table_getRangeBetweenHeaderAndTotal()_getTexts[]; let rowCount = table_getRonCount(];
  Move rows using range values
         Χ'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         // If the table is not empty, add its rows to the combined table.
If (rowCount > 0) {
    combinedTable.addRows(-1, dataValues);
}
function main(workbook: ExcelScript.Workbook) [
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  tables-copy
    // Select what will be moved between tables.
       const FILTER_COLUMN_INDEX = 1;
const FILTER_VALUE = 'Clothing';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sample code: Combine data from multiple Excel tables in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    select worksheets into a single table
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    function main(workbook: ExcelScript.Workbook) {
// Set the worksheet names to get tables from.
const sheetNames = ['Sheet1', 'Sheet2', 'Sheet3'];
// If either table is missing, report that information and stop the script.

If (htspeffable | IsourceTable |
Console log|Table missing - Check to make sure both source ($\frac{5}{17ARE_NAME}\) and target table ($\frac{5}{17ARE_NAME}\) are present before running the script. T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       // Delete the "Combined" worksheet, if it's present.
workbook.getWorksheet['Combined']?.delete();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    // Create a new worksheet named "Combined" for the combined table. 
const newSheet = workbook.addWorksheet("Combined");
// Save the filter criteria currently on the source table. const original Tablefilters + (1):
// For each table column, collect the filter criteria on that column. source Table, getColumns() forfact((column) => (
tarringsia/Columns) forfact((column) => (
tarringsia/Columns) filter = (column griftlers) getCriteria();
// forgina/Columns/filter) = (column griftlams) getColumns/filter) = original/Columns/filter) = (columns griftlams) = (columns/filter) = (c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               // Create a new table with the same headers as the other tables.

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header/viables(g) gettiesder/shecktume(g)
(g) getTables(g)
(g) getTab
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  // Go through each listed worksheet and get their tables.
sheetNames.ForCach((sheet) => {
    const tables = workbook.getWorksheet(sheet).getTables{};
    for (let table of tables) {
        // Get the rows from the tables.
// Get all the data from the table.
const sourceRange = sourceTable_getRangeBetweenHeaderAndTotal();
const dataRows:(number | string | boolean()()] =
sourceTable_getRangeRetweenHeaderAndTotal()_getValues();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              let dataValues = table.getRangeBetweenHeaderAndTotal().getTexts();
let rowCount = table.getRowCount();
       // Create variables to hold the rows to be moved and their addresses.
         let rowsToMoveValues: (number | string | boolean)(][] = [];
let rowAddressToRemove: string[] = [];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              // If there's data in the table, add it to the combined table.

if (rowCount > 0) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  combinedTable.addRows(-1, dataValues);
```



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        if contained_limit_rec_(CLOMAN_, INCOLOG_) = INTER_VALUE{|
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event-data



speaker-reg istrations

Cross-reference Excel files with Power Automate how to compare data arros too Excel files to find discrepancies. It uses Office Scripts to analyze data and Power Automate to communicate between the workboard. This sample passes data between workboards using 5001 objects. For more information about working with 500N, read (last, 500% to pass data to and from Office Scripts).

function mainleuwrikhosis Excellerium Workhosis) string {
 // Get the first table in the "Keys" worksheet.
 ist table = workhoos pettwo-fixed trees, pettal-fixed()(b);
 // Get the rows in the event table.
 ist rows = range getTradines();
 // As ist rows = range getTradines();
 // As ist refer or representing a row of event data.
 isterface representing a row of event data.
 issuerface componenting
 idea: rowsber
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