**README**

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This code is designed to replicate the calculations performed in an Excel file using Python. The code is organized into various functions, each corresponding to a specific formula from the Excel file.

The following README will be applied to all tabs: Home, NSFR, and LCR.

**Structure of the Code**

1. **set\_output\_df() Function**:
   * Purpose: This function initializes the output DataFrame with the existing columns and the correct structure, as seen in the Excel file. However, it does not pre-populate the DataFrame with any numeric data.
   * Output: Returns a DataFrame with the desired column structure with empty columns Blank x,y,z,… to be inserted later using the calculation functions.
2. **Calculation Functions**:
   * Purpose: Each of these functions translates a single formula from the Excel file into Python code. They perform the same calculations as the original Excel formulas, and are designed to be used within the **main()** function to populate the output DataFrame with the necessary data.
   * Output: Returns the result of the corresponding Excel formula calculation.
3. **main() Function**:
   * Purpose: This function serves as the entry point of the code. It calls the **set\_output\_df()** function to initialize the output DataFrame and the calculation functions to populate the DataFrame with the necessary numbers.
   * Output: A DataFrame with the desired column structure and populated data.

**Execution Process**

1. Run the **main()** function.
2. The **main()** function initializes the output DataFrame by calling the **set\_output\_df()** function.
3. The **main()** function calls the calculation functions to perform the necessary calculations and populates the output DataFrame with the results.
4. The final output DataFrame, containing the calculated data, is exported to an Excel file.

**Note**

This code replicates the calculations and structure of a specific Excel file. Changes in the original Excel file's structure or formulas may require corresponding modifications to the code.

This README provides a clear and comprehensive explanation of the code's organization, functionality, and execution process. I have expanded the descriptions of each section to help readers understand how the code operates and replicates the Excel file's calculations.