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Commercial Credit Coefficient Aggregation Report

Task Description

The objective of this task was to create a Python script that can perform an aggregation on all the historical Commercial\_CreditCoefficient CSV files into one large summary file. Furthermore, two columns are generated: a 'Path' column that stores the concatenated source, sink,  
and TimeOfUse, and a 'FileName' column storing the document where the data originated from. Finally, we filter this resultant CSV to only include a certain subset of paths. This process should be automated and adaptable to all future changes to data.

Solution Design

The code is in the parent directory at MonthlyCombine.py. Here, I used the Pandas library to simplify the merging operations significantly. We start by performing File I/O to create a list of all the valid CSV paths across all years. Next, we collect all the paths into one list while merging (concatenating) all the CSV files through Pandas. Finally, we utilize loops and some built-in Pandas methods to perform all necessary filtering. Once the output has finished generating, we output it to the Data subfolder and end the task.

Sample Output