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Python Project Assignment #2 – Part 1:

Openpyxl Library

**Central Purpose:**

Openpyxl is a Python package or Python library that allows the user to create and manipulate Excel files straight from the code. The library is super extensive allowing you complete control to create, edit, and export Excel files very quickly. Editing cells and information within the sheets allows you to control what content is to be stored with the Workbook as a whole.

**Use-Cases:**

A great use case for this library/package is if a user was to feel more comfortable using the built-in functions, the ability to create standard Excel file templates can be very easy to automate. Instead of having to click into every cell and edit information within the application, the user can great for loops to automatically enter information much faster. Another interesting use case could be if the user wants to create multiple files that are of the same nature, that too can also be completed in a much shorter time.

**Functions:**

wb = Workbook(): Creates the workbook

wb.active: Declares the active workbook

ws1.title = "range names": Creates the name for the active sheet

wb.create\_sheet(title="Pi"): Creates a new sheet with a new title

wb.save(filename = dest\_filename): Saves the workbook to a particular file name

ws.merge\_cells('A2:D2'): Merges cells together

ws.unmerge\_cells('A2:D2') Unmerges cells