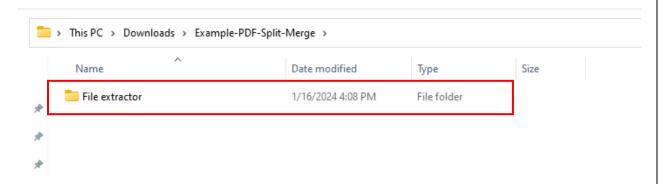
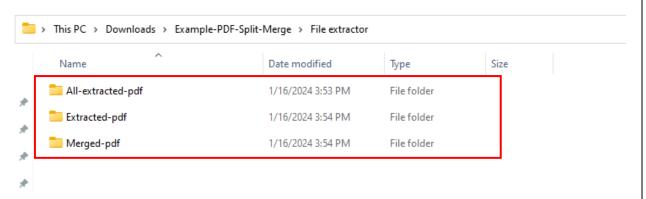
PDF Attachments Split and Merge

Script Execution Instructions:

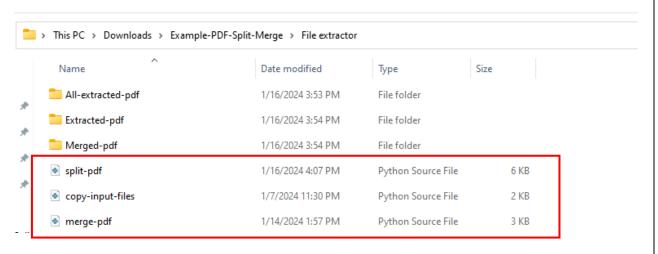
1) Create root folder: File extractor



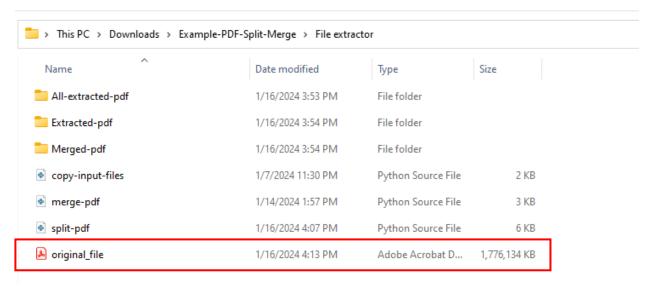
2) Create sub folders inside root folder: All-extracted-pdf, Extracted-pdf, Merged-pdf



3) Create 3 python scripts with .py extention inside root folder: split-pdf.py, copy-input-files.py, merge-pdf.py



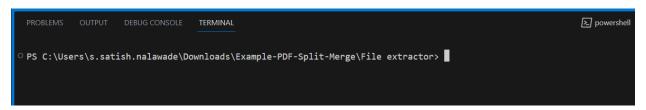
4) Place original_file.pdf (original PDF file with attachments) inside root folder.



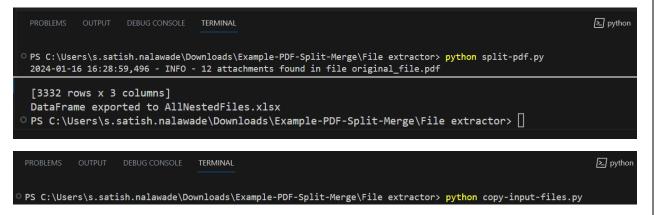
5) Set all the path and file name variables in all 3 scripts with correct values.

```
split-pdf.py 3 X
 🕏 split-pdf.py > ...
       filename = 'original_file.pdf'
 118
        path = 'C:\\Users\\s.satish.nalawade\\Downloads\\Example-PDF-Split-Merge\\File extractor\\Extracted-pdf\\'
        folder_paths_list = []
        folder_paths_list = extract_pdfs(filename, path)
        filename_list = []
copy-input-files.py X
🕏 copy-input-files.py > ...
 25 # Example usage
 26    root_folder = 'C:\\Users\\s.satish.nalawade\\Downloads\\Example-PDF-Split-Merge\\File extractor\\Extracted-pdf\\'
27    output_folder = 'C:\\Users\\s.satish.nalawade\\Downloads\\Example-PDF-Split-Merge\\File extractor\\All-extracted-pdf\\'
 copy_files_from_folders(root_folder, output_folder)
merge-pdf.py 2 X
       input_path = 'C:\\Users\\s.satish.nalawade\\Downloads\\Example-PDF-Split-Merge\\File extractor\\All-extracted-pdf\\'
      output_path = 'C:\\Users\\s.satish.nalawade\\Downloads\\Example-PDF-Split-Merge\\File extractor\\Merged-pdf\\
    original_pdf_file = 'original_file.pdf'
      AllNestedFiles_filename = 'AllNestedFiles.xlsx'
       df = pd.read_excel(AllNestedFiles_filename)
```

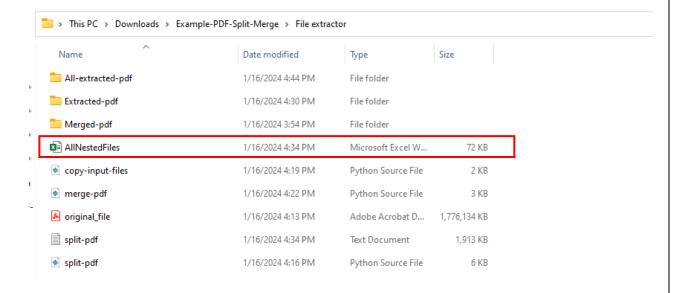
6) Open cmd or terminal and change current working directory to root folder (cd 'File extractor')



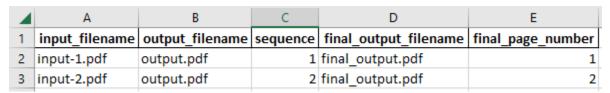
7) Execute python scripts in sequence by executing below commands in cmd or terminal: python split-pdf.py -> python copy-input-files.py



8) Update 'AllNestedFiles.xlsx' file with grouping logic.



Format of 'AllNestedFiles.xlsx' file:



input_filename: Name of the input files which needs to be merged.

output_filename: Name of the source file from which input files are extracted.

sequence: sequence number of the input files in original file tree hierarchy (sequence of attachments).

final_output_filename: Name of the merged file (output file) to be generated from input files.

final_page_number: Page number of the input files in the final merged file.

9) Execute python script by executing below command in cmd or terminal: python merge-pdf.py



- 10) Do these validation checks to ensure successful execution:
 - a. Check if all the attachments extracted from original PDF are present in 'Extracted-pdf' folder with the exact hierarchy with sub folders.
 - b. Check if 'AllNestedFiles.xlsx' file is present in 'File extractor' folder and contains all the expected information.
 - c. Check if all the attachments from 'Extracted-pdf' folder and its sub folders are copied in 'All-extracted-pdf' folder.
 - d. Check if all the merged pdf files are present in 'Merged-pdf' folder based on defined grouping logic in 'AllNestedFiles.xlsx'.

Description:

- o **split-pdf.py:** extract attachments from original pdf with exact hierarchy in pdf tree represented by sub folders inside Extracted-pdf folder.
- o **copy-input-files.py:** copy attachments from Extracted-pdf folder and its sub folders to specific destination folder All-extracted-pdf.
- merge-pdf.py: merge all the pdfs from All-extracted-pdf folder based on grouping logic defined in 'AllNestedFiles.xlsx' and place generated merged pdfs in Merged-pdf folder.