**Problem Statement:**

Several files will be dropped in a folder called Source\_excel\_files. Sort the files based on their arrival time and pick up the file which came in first. Use that file as a template, find out if the columns of first file are present in all the other files or not.

If columns are present, keep adding all data. If not present, create matching columns with value =’NA’ and then append. Export the final combined data to another excel.

Also add, two extra columns with the value of sheet and excel name.

For example, if test1.xlsx has 2 sheet (sheet 1, sheet 2), final output should have:

|  |  |  |
| --- | --- | --- |
| Data from source excel | Sheet Name | Excel Name |
| Data from sheet 1 of excel test1.xlsx | Sheet 1 | test1.xlsx |
| Data from sheet 1 of excel test1.xlsx | Sheet 2 | test1.xlsx |

**Solution**