- Create a library named "HW5" that points to the same location you store any SAS files for this assignment.

- Create a library named "HW4" that points to the Air_Emps_Full and Air_Emps_Underpaid data sets.

- Using the Air_Emps_Full data set from your previous assignment you need to create a new data set named Air_Emps_Raises that contains a new salary variable named New_Salary that is computed as follows. (Note the percentage increase should not be affected by the flat increase.)

  - For employees with at least 35 years of service, the new salary includes:
    * A $3,500 flat increase
    * A 2.5% increase for anyone whose job is at level 2 or level 3 (e.g. FLTAT3)
    * A 1.5% raise for anyone whose job is at level 1 (e.g. MECH01)
    * A 2.0% raise for all other jobs

  - For employees with at least 25 years of service (but not 35 or more), the new salary includes:
    * A $2,000 flat increase
    * A 2.0% increase for level 2 or 3 jobs
    * A 1.0% increase for level 1 jobs
    * A 1.75% increase for all other jobs

  - For all others, the new salary includes:
    * No flat increase
    * A 2.50% increase for level 2 or 3 jobs
    * A 1.25% increase for level 1 jobs
    * A 0.75% increase for all other jobs

  - If years of service cannot be computed for an employee
    * New_Salary should be missing
    * A note should be printed to the log, indicating the employee ID that needs to be investigated

- Ensure that in addition to the new salary variable you created the employee's old salary is available and named Old_Salary.

- Ensure the final data set is sorted by EMPID and that your two new variables (New_Salary and Years of Service) have appropriate labels and formats.

- Without recreating the Air_Emps_Underpaid data set we want to subset it to only include individuals whose new salary would still classify them as underpaid. To do this, create the New_Salary variable in this data set as well but only keep records that would still be classified as underpaid even after they got a raise!

- Write both data sets to a single PDF using titles and footnotes to differentiate the two data sets. Additionally, create a separate PDF that contains only the Employee's ID, Years of Service, and New Salary.