Mainframe Development Assignment – 2018 - **LAB 7**

The lab makes fairy major alterations to the report produced by Lab 6. Download the new data file and the new sample outputs from the DC Connect Dropbox.

1. Page totals for employees in each class. You may want to modify the logic to suit average calculations instead of removing it completely.
2. Change the number of lines per page to 10. When viewing the output in your text editor it may be necessary to turn Word Wrap off (View -> Word Wrap), it makes the output somewhat easier to read.
3. There is a new field on the input file called BUDGET-ESTIMATE. It is PIC 9(6)V99, and is located right after the SALARY field.
4. Alter your program so that is has 2 output files instead of 1. This is a significant alteration. One output file will show all the Grads (‘G’), the other will show all Non-grads (‘N’).   
   1. Remember that you will have to add a SELECT statement, an FD and 01, OPEN’s and CLOSE’s as well as the logic to write out the records. If you designed Lab #6 as recommended with paragraphs for N and G you should put the actual WRITE logic in the G and N paragraphs themselves. If you did NOT have G and N paragraphs you may choose to re-design a bit.
   2. Also remember that you will need separate line / page counters and temporary variables for totals for each report.
5. The BUDGET-ESTIMATE field is how much has been budgeted for the new salary field. So, it is basically someone’s guess of what the new salary is going to be. Here’s an example:

OLD INCREASE NEW BUDGET DIFF

004 ACHER WILLIAM 7,260.05 $0.00 $ 7,260.05 7,200.00 -60.05

Note that the Budget estimate and the Difference are to be printed out on the reports – Check the new output file.

William’s new salary is 7,260.05. His budgeted amount is $7,200.00. Calculate the Budget Difference by subtracting New Salary from Budget Estimate. In this case the budget difference is -60.05. If the budget amount is too low, the budget difference field will be negative. If the budget difference is too high, it will be positive. Check it on the sample output. Use Floating negative signs ( - ) on the Budget Difference output field.

1. Totals and average salaries for each employee class at the end of the report should now be independent for grads and non-grads. In other words, averages should reflect only the employee that appear on each report. It is only necessary to print out the averages for that are applicable to the particular report. For example, the Non-Grad report will only show ‘Prog’ and ‘Jr Prog’ since all N’s are one of those categories.
2. On each report, accumulate and print out (with a short title) the total budget difference (which also could be negative). See sample output.

HAND IN:

* A ZIP or 7z archive containing your **ENTIRE** VS Native Cobol Console Project