COBOL PROGRAMMING ASSIGNMENT - 2016

**LAB 5**

This lab is a continuation of LAB 4, using **PERFORMED PARAGRAPHS**. Download the new lab5.dat and the Sample output from DC Connect.

Change LAB 4 in the steps outlined below. I would get the first three steps to work before moving on to the next steps.

1. Lab #4 should have a minimum of 6 paragraphs + the main-loop (so at least 7 in total). There should be paragraphs for:

1) Headings (should already have from #3)

2) Totals (should already have from #3)

3) Greater than 5000

4) <= 5000

5) Minimum logic

6) Maximum logic

Remember that ALL paragraphs should have a number as a prefix # at the beginning, e.g. 100-HEADINGS, and that number must be in ascending sequence as you go through the Procedure Division.

2. Use Level 01’s and 05’s as outlined in class for the data fields and values.

3. Set up the $5000 and 12 1/2% as constants in WORKING-STORAGE and use the data names in the procedure division in place of the values in the procedure division. Set up a **separate level 01 group** for these.

Try the program, the output should be the EXACTLY the same as LAB 4.

**LAB 5 ADDITIONAL REQUIREMENTS**

Add the following to the lab.

**The method of calculating the salespersons EARNED and PAID COMMISSION is the same as LAB 4.**

4. For those salesman who get the BONUS (> 5000), print out the remarks “EARNED OVER MAX” when appropriate and for those with NO BONUS, print “EARNED UNDER MIN” when this applies. Print this remark to the right of the last data field (PAID) with an appropriate column heading. Spacing to the right of other fields is unimportant. See sample output.

5. Calculate and print the percent number of salespersons who are paid the amount **they earned** (one answer, including both groups). To accomplish this, some coding will have to be repeated in different parts of the program and this is ok. Print with a short title, correct to a whole number (i.e. 75%), print the % sign.

1. Change the print out so there are only 10 salespersons per page. The program has to count the number of lines printed. Notes on line & page counting are in the Content section of DC Connect and will be discussed in class.
2. Print your name/date/time, report heading and column headings on each page. You will need to use the “after page” option on your WRITE statement as outlined in class.
3. Print a total at the end of the end of the program indicating the percentage of salespeople above and below $5000 in sales. Calculate to 2 places of decimal. So, for example, if there were a total of 10 salespeople, with 6 above 5000 and 4 below, it would be

Percent > 5000: 60.00%

Percent <= 5000: 40.00%

Place this total below the others on the output. Remember that these two should total exactly 100%. You must calculate these 2 percentages separately, not calculate one and then subtract from 100.