COBOL PROGRAMMING ASSIGNMENT

**LAB 6**

The emphasis in this lab is the use of PERFORM (with PERFORMS within PERFORMED paragraphs). This program is to print out a report of employees and salary increases. Download the sample output and data file from the DC Connect Dropbox.

EMPLOYEE NAME YEARS EDUCATION PRESENT

NUMBER SERVICE CODE SALARY

1 - 3 4 - 18 19-20 21 22-28

004 Archer Bill 01 N 5000.00

185 Donneman Tom 06 G 12000.00

Note the EDUCATION CODE field. This field contains either a G for employees who are graduates or N for non-graduates. Employees WILL BE either ‘G’ or ‘N’, there will NOT be errors.

1. The program is to classify all employees, both GRADS and NON GRADS, as follows. These classifications (i.e. SEN PROG, etc.) are to be set up as constants in WORKING-STORAGE.

a. A graduate employed more than 15 years is an analyst (print out ANALYST).

1. A graduate employed 7 to 15 years inclusive is a Senior Programmer (print out SEN PROG).

c. A non-graduate employed more than 10 years is a programmer (PROG).

d. A graduate employed less than 7 years but more than 2 is also a programmer (PROG).

e. A non-graduate employed 10 years or less but more than 4 years is a junior programmer (JR PROG).

f. A non-graduate employed 4 years or less is not classified. (Leave blank, use Move Spaces, NOT a WS literal).

1. A graduate employed 2 years or less is not classified (leave blank, use Move Spaces).

**DESIGN HINT**: Set up 5 paragraphs, one for each classification, to process the requirements for the classification, to be used by both the GRADUATES/NON GRADUATES depending on their years of service. Then, within the main IF statements, just PERFORM those paragraphs as required. You may also want to consider having one paragraph each for Grads and Non-grads themselves.

2. The program is to calculate pay increases as follows:

Analyst 11.9%

Senior Prog 9.3% These pay increase % **are**

Programmer 6.7% to set up in

Junior Prog 3.7% WORKING-STORAGE as

Unclassified 0 program constants.

3. The program is to calculate and print out the average increase (2 places of decimal) for each of the 4 classifications for the graduates and non-graduates combined. (Print 4 values, not 8) Print with SHORT TITLES on 1 or 2 lines. Use Z and comma editing.

**PRINTOUT**

4. The output report is to have the main heading EMPLOYEE SALARY REPORT and suitable column headings; line spacing is your choice. My attached sample shown is just a model, and you do not have to follow it exactly.

1. For each employee print the employee number, name, years, classification, (i.e. SEN PROG, etc.), present salary, % increase **with a % sign**, pay increase and new salary.

a. Put 15 lines on each page, and include a PAGE NUMBER as shown on the sample output.

b. Print the pay increase amount with a floating $, a comma and a + sign on the right hand end, i.e. $2,610.01+.

c. For UNCLASSIFIED leave the % increase blank (spaces) and print the pay increase amount as $0.00+. Don’t print the %, of course.

d. Print the NEW SALARY with a fixed $, a comma and Z's, i.e. $ 27,251.17.

e. Print the PRESENT SALARY with Z's, and a comma. No $.

f. You MUST create your OUTPUT DETAIL LINE in WORKING-STORAGE, NOT within the FD record layout. You will be using FROM consistently in all WRITE statements.