### MAFD 4204 - Lab #2

Make the following alterations to your working program “FileInputOutputDemo”. Use the “lab2.dat” data file that was provided along with these requirements.

The input file has been modified to include **one** extra field, Enrolled Year. This is a 4 digits whole number. It is has been added immediately after the student name field.

TEXT REFERENCE: Murach's Structured COBOL in eBooks 24x7 – Chapter 3

Requirements:

1. Follow the coding standard defined in “COBOL Coding Standards” on DC Connect.
2. Output two headers at the top of the output report (no student number) as seen below.
   * Only “*Put your name here”* should change
   * Right align your name with the end of the second header line
   * Both heading lines should be declared independently in Working-Storage as discussed in class
3. Calculate the number of years (Enrolled Years) enrolled by subtracting the input field student-enroll-year from the current year.
4. Display all data as seen below, including the calculated number of years enrolled.

**NOTE:** You will need to use an editing PIC clause on the calculated years enrolled. We will not cover this until a few days before the lab is due. You will likely want to inquire about this in your lab class.

1. Double Space all detail output.

Your output should look like this:

Use Pic Z9? Can’t use arithmetic on this move | pic 99 to PIC Z9

Pic Z(4)9? Check phone for picture | Check , + - S $ CR DR . for pic clause

.99 = $.99

0.99 = $0.99

$12,842.52 = $$$,$$9.99

150,425^50 = $,$$$,$$9.99

-----$10.50 | Leaves blanks

01284252 = PIC 9(6)V99 | V is the implied decimal(?)

*Henry Zheng*

Student ID+------+Name----------------+--------+-----Enrolled---+

Starting Years

123456789 Johnny Smith 2010 8

234567890 Mary Campbell 2012 6

345678901 Ed Bilewicz 2011 7

456789012 Tim Rahme 2006 12

567890123 Cheryl Graham 2016 2

678901234 Robert Thomas McGill----------2014-------4