Assignment #1: Due September 13, 2018, 1pm

INSTRUCTIONS: Please upload **ONLY** your SAS program (saved as LASTNAME_FIRSTNAME_HW1) to Canvas. Make sure to use the %let statement to create a path as was done in class and use that path to locate your data sets. Please make sure to comment your code and title your output (even though you won't submit the output separately, I will be looking at it to make sure that your code ran correctly).

Recall: All Homework will be graded out of 10 points.
  2 points for sufficiently commenting the code. This means that someone else should be able to read through the comments and know exactly what is being done in the code
  5 points for code running without error/following instructions.
  3 points for providing the correct answer/output

Question 1: There is a data set employment.txt located on Canvas under Assignment #1. This data set consists of 3 lines of data per observation and there are a total of 14 observations. The following table tells the location of each of the 8 variables in this data set. Please write code to read this data into SAS creating a temporary data set called **employment** with labels for all of the variables, and print the first 5 observations of the employment data set and the contents of the data set.

Variable	Location – Starting Position	Length
Name	First Line – 1	17 characters long
Date Employment Began	First Line – 20	10 characters long
Starting Salary[*]	First Line – 36	7 characters long
Date Employment Ended	First Line – 43	8 characters long
Ending Salary[*]	First Line – 58	7 characters long
Marital Status	Second Line – 1	8 characters long
Sex	Second Line – 16	1 character long
Date of Birth	Third Line – 7	10 characters long

[*] Comma in value

Both the beginning and ending dates of employment should be formatted as a word date with no abbreviations for the month name (e.g. 09/14/05 should be written out as September 14, 2005), while the date of birth should be formatted as MM/DD/YYYY. The salary variables should formatted in the same manner in which they are read into the data set (with the comma).

Question 2: From the employment data set created above, create two new temporary data sets **male** and **underpaid**, and print the full data sets. Male should contain only the male employees. Underpaid should contain only those individuals who are making less than $40,000. (HINT: You may need to consider both the beginning and ending salaries, and be mindful of how SAS handles missing data.).