PHS451: Introduction to SAS LAB #1

1. You have the following data for the variables StudyID, EntryDate, CACO, Gender, Age, Smoker, Height_in, and Weight_lbs.

01	05/15/1994	case	female	26	yes	64	125
02	04/26/1996	control	male	24	no	72	206
03	06/18/1997	control	female	32	yes	68	140
04	10/10/1995	case	male	28	no	70	180
05	01/14/1997	control	female	30	yes	63	110

1a. Use list input to create a **permanent** SAS dataset. Be sure to specify to SAS that the second variable is a date. Specify the path for this data set to be saved on your USB drive. Name the data set LAB1_1.

1b. Run a contents procedure which shows the contents in both alphabetical order and order of position in the data set.

1c. Run a print procedure that prints the StudyID, ENTRYDATE, and CACO variables and formats the date variable using format MMDDYY8.

2a. SASHELP is a read only library available at anytime in the SAS System. Inside this library are numerous datasets that can be used for training and practice. Create a temporary dataset named ZIPCODE_SASHELP that makes a copy of the ZIPCODE dataset in this library.

2b. How many character and numeric variables are in this ZIPCODE_SASHELP dataset? How many total observations and variables are in this dataset?

3. There is a file 2014TopNames on the Learn@UW website. Use the infile and input statements to access this file and create a permanent SAS data set called LAB1_3. Use the following input statement:

```
INPUT NAME $ RANK GENDER $;
```

Look at the dataset created and write up any problems with the data that were saved.

4a. Flip a coin 10 times and create a data set to record the results of each flip #1-#10 along with a variable to denote the results of the flip.

4b. Print out your dataset to the screen using PROC PRINT.

Save your code *Please add comments to answer questions and indicate which questions your code is addressing and drop it in the course Canvas dropbox under Lab1 when you have finished.