Winter '12 CIS 122 Assignment 3 – 100/100 points possible – Due Tuesday, 2-14, 11:59 PM

1. [30] Exercise 5.3 (p. 245). Write a program which first defines a function with signature *printWinner(team1Score, team2Score)*. The function should print "Team1" if team 1 has had the higher score and "Team 2" if team 2 had the higher score. The function should not return anything. Your program should then prompt the user for two scores and call the *printWinner()* function. Save your program as Assignment3-1.py.

2. [30] Exercise 5.6 (p. 246). Write a program which first defines a function with signature *calculateFathersDayPrice(price, isMember)*. The function should return 95% of the price if the user is not a member and 85% of the price if the user is a member (i.e., as indicated by *isMember*). Your program should then prompt for a price and whether or not the user is a member (you can assume that the user enters "yes" or "no"), call *calculateFathersDayPrice()*, and then print the price returned by the function. Save your program as Assignment3-2.py.

3. [40] Exercise 5.14 (p. 247). Write a program which defines two functions: *limitCharacters(text)* returns a copy of the input text containing at most 160 characters and *limitWords(text)* returns a copy of the input text containing at most 20 words. Your program should then prompt the user for input, call both *limitCharacters()* and *limitWords*(), on the input, and then print the final text (i.e., which is limited both to 160 characters and 20 words). Save your program as Assignment3-3.py.

Upload your .py files to Blackboard.