**COMP 1800 – Fall 2016**

**Classwork 9: Basic Conditionals  
(15 points)**

Number of People: Teams of up to 2. If you work with a teammate, only one submission is needed. Be sure to put both of your names in a comment at the top of each source code file, as well as in the eCourseware notes box when you submit. Feel free to ask me or Swaroop for help!

Due: Oct. 18, by the end of class

Submission: Zip all of your Python script files into a single file, and submit that zip file to the appropriate folder on eCourseware.

Grader: TA, Swaroop Goli ([ssgoli@memphis.edu](mailto:ssgoli@memphis.edu)). Questions about grading? Please contact him first!

1. **(6 pts) Save your script file as: CW9Problem1.py**In script mode, write a Python program that allows the user to enter how many hours of sleep s/he got last night. The program should then tell the user whether that’s enough sleep (6 or more hours) or not enough (fewer than 6 hours). Hint: Use an **if** statement with the **else** clause.  
     
   Example of what your program might look like when you run it (the underlined parts indicate what you type in as the program is running):  
     
   How many hours of sleep did you get last night? 6.5  
   Great, that sounds like enough!
2. **(9 pts) Save your script file as: CW9Problem2.py**  
     
   In script mode, write a Python program that allows the user to enter his/her age. The program should then determine whether the user is eligible to serve in the U.S. House of Representatives (minimum age 25 years), in the Senate (minimum age 30 years), or as the President (minimum age 35 years). Display all positions for which the person is eligible. Hint: Use three separate **if** statements.  
     
   Examples of what your program might look like when you run it (the underlined parts indicate what you type in as the program is running):  
     
   Example 1  
     
   How old are you? 34  
     
   You are eligible to serve in the following offices:  
   House  
   Senate  
     
   Example 2  
     
   How old are you? 19  
     
   You are eligible to serve in the following offices: