CS 100 2016F  
Homework 01

**Due:** at the beginning of the **third class** of the semester.   
**Do** all of the items below and **submit** a text file created in the IDLE editor with the extension ‘.py’ via Moodle. If you run into a problem, post to Moodle describing where you ran into trouble or email your instructor or classroom assistant, or ask your question during office hours. If you know the answer to someone’s question on Moodle, post a response. You get course credit for asking and answering questions in Moodle.

1. Read sections 2.3, 2.4 and 2.5 in the textbook
2. Do textbook exercises   
   2.18  
   2.19  
   2.21
3. Assume that the variable grades is a list of the letters A, B, C, D, and F. For example,

grades = ['A', 'F', 'C', 'F', 'A', 'B', 'A']

Write a Python expression that creates a list named frequency, in which the elements are the number of times each of the letters A, B, C, D and F appear in grades. For example, for the above value of grades, the following would be correct output.

frequency = [3, 1, 1, 0, 2]

Your expression must give the correct values for any list of grades, not just the one in this example. Hint: use the list method count.