Unit 2 Assignment

**ANLY:520-51 (Fall 2016)**

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# **Solutions:**

1. **Create a variable phrase containing a list of words. Experiment with the operations described in this chapter, including addition, multiplication, indexing, slicing, and sorting.**
2. **Use the corpus module to explore austen-persuasion.txt. How many word tokens does this book have? How many word types?**
3. **Use the Brown corpus reader nltk.corpus.brown.words() or the Web text corpus reader nltk.corpus.webtext.words() to access some sample text in two different genres.**
4. **Read in the texts of the State of the Union addresses, using the state\_union corpus reader. Count occurrences of men, women, and people in each document. What has happened to the usage of these words over time?**
5. **Investigate the holonym-meronym relations for some nouns. Remember that there are three kinds of holonym-meronym relation, so you need to use: member\_meronyms(), part\_meronyms(), substance\_meronyms(), member\_holonyms(), part\_holonyms(), and substance\_holonyms().**