Exercise sheet 3
(Submit by email to dm@ling.osu.edu before class on Thursday, February 12)

1. Write a web form on which the user can enter a sentence and spell-check it. The web form should call `ispell -a` and report in user-friendly format for each word whether

   - it was in the dictionary
     - as such
     - after affix removal, based on what root
     - through compound formation
   - it was not in the dictionary
     - but there are near misses, reporting how many and which these are
     - but one could derive it by removing (illegal) affixes from a known root
     - and no near misses or derivations are available

2. Explore the nature and use of ispell dictionaries:

   - Download a story from The Lantern at `http://www.thelantern.com/` and introduce five (different) typographical errors into the article.
   - Run ispell over it, noting whether it finds the errors and what suggestions it makes for fixing them.
   - Use `buildhash` to define an ispell dictionary that is restricted to the vocabulary that occurs in this article. Using this dictionary, run ispell over the text with the five errors, noting whether it finds the errors and what suggestions it makes for fixing them.