

## Plain Hard Thinking

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**Purpose:**

Practise manipulating Strings, Files and logic.

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**Due Date:**

The completed lab assignment is due Friday 2012-02-17 *at the beginning of lecture*.

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**“Abstemious” words**

Some words — for instance, “abstemious” and “facetious” — contain all of the vowels exactly once, and in order. That is to say, there is one ‘a’, one ‘e’, one ‘i’, one ‘o’, and one ‘u’, and they occur in exactly that order.

- ⇒ Search the the file `/usr/share/dict/words` to find all of the words that it contains that have the above property. Write the list of words to a file `abstemious.txt` in your lab directory, and print the file when you hand in your assignment.

Think very hard about the required logic, and code as cleanly as you can.