### QUESTION 7（直接回答在word里面就行）

3) Create a bash script that produces a catalog of all functions in a set of Python source files named on the command line. The output will be a sequence of lines of the form:

function\_name file\_name:line\_number

Suppose for example that the file lisp.py had on line 10:

def car(l):

Then for that line, the output of your script would say:

car lisp.py:10

The output should be sorted by function name.  You will likely need to use one or more of the applications that we've been discussing in class such as grep, awk, sort, sed, etc.

**QUESTION 8**（直接回答在word里面就行）

4) Write an AWK program that translates English into Pig Latin. The rules to use for this problem are:

If the word begins with a vowel (a, e, i, o, u), it is converted to Pig Latin by adding the letters "ay" to the end.  (e.g. able becomes ableay)

If the word beings with a single consonant (any non-vowel letter), then the first letter is moved to the end of the word and "ay" is added after that.  (e.g. single becomes inglesay)

If the word begins with two or more consonants, the the first two letters are moved to the end of the word and "ay" is added after that.  (e.g.  that becomes atthay)

To simplify things, you can assume that each word is on a line by itself and that the words are all given in lower case.

### Question 10（需要写在Linux Command 的 script FILE）



