Exercise #11

- You don't need to turn in your homework, but you should practice all problems because they may probably appear in the later exam. 作業自己練習不用交，之後考試可能會出現類似題目

- ☐ Problem 1. Length of Last Word
  - ◪ *Given a string s consists of upper/lower-case alphabets and empty space characters ' ', return the length of last word in the string.*
  - ◪ *If the last word does not exist, return 0.*
  - ◪ *Note: A word is defined as a character sequence consists of non-space characters only, excluding punctuation characters.*
  - ◪ *Example:*
    - ☐ *Input: "Hi World."*
    - ☐ *Output: 5*

- ☐ Problem 2. input an array of integers
  - ◪ Input a sequence of integers using fgets() and store these integers into an array, like this 12 3 56 78

- ☐ Problem 3. IP check
  - ◪ Input an IP address string, determine whether it is a valid YZU IP. A valid YZU IP address must be in the form of 140.138.xxx.xxx, where xxx is a number from 0-255. For example,
  - ◪ Invalid YZU IP: 140.138.21   192.111.54.251   140.138.100.300
  - ◪ Valid YZU IP: 140.138.41.110   140.138.100.175
  - ◪ You should check …
    - ☐ Does it contain four decimal numbers?
    - ☐ Does each number fall in the range 0-255?