Programming languages for Bioinformatics
Spring 2014

Homework 5, week 8

Chapter 5 Pointers and Arrays

1. **Write a function strcmp(s, t, n), which returns 1 if the string t occurs before the n-th character of the string s, and -1 otherwise.**
2. **Write a program tail, which prints the last n lines of its input. By default n is 5, but it can be changed by an optional argument. For example,**

   tail -3

   will print the last 3 lines. Your program is expected to behave rationally. In another word, the value of n or the input may be unreasonable, but you need to deal with them by reporting a warning or error message and/or quit the program. Use the *qsort* program we used in the class as your reference.

Please include the source code together with the test examples and results of your test examples in your report.

Turning in your homework

Please hand in a hard copy of your homework report. The homework report should be handed in before the class start on Tuesday，April 29, 2014.

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独立作业承诺：（请选择一个， 并签名）

1. 本人，_____，保证本次作业由自己独立完成。

   签名

   时间　　年　月　日

或者

2. 本人，_____，保证本次作为和_____同学讨论后，由自己独立完成。
   讨论内容包括_____

   签名　　，

   时间　　年　月　日