

Assignment 2
(Due by **9/28/2010/Tuesday, in class**)

Your name:	Date:
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Provide brief solutions (see the *important notes* at the end of the assignment) to the following OS questions related to the textbook Chapter 3:

Part One: Provide brief solutions to the following Chapter Exercises questions (**70 points**)—if you *don't* have textbook, please check the *photocopy of the chapter 3 question texts* on the course website:

- Chapter 3 Exercises questions on pages 141-145:
 - 3.6
 - 3.7
 - 3.9
 - 3.10
 - 3.13
 - 3.14:
 - only *a* and *b*.

Part Two: On-line searches/researches (**30 points**):

- Find 3 articles/papers in the area of Computer Science/Engineering (any subjects that are interesting to you, not necessary related with OS) through one of the following links:
 - <http://www.salemstate.edu/library/3826.php>
 - http://cs.salemstate.edu/~b_yi/ (Under “Pointers”, on the last line, there are a few links)
 - (You are required to find papers/articles through these links! And you will need to use Internet connections from the Campus!!)

- (You may use the following key words/phrases to narrow your searching for journals, magazines, paper titles: Operating Systems, Unix, Linux, Interactions, HCI (or CHI), Programming, Programming Languages, Graphics, Computer Graphics, Games, Interacting, Multimedia, Communications, Internet, Network, Robotics, Visual, Embedded, Computer Vision, Software,...)
- **Submission:** for each of the paper, you need to provide:
 - Its journal/magazine title, volume/issue number, publication date,
 - The author(s)'s names, and
 - Brief description of the paper *in your own words* in one paragraph (5 lines to half a page).

Part Three: Important questions related to Chapter 3 (**No submission**):

- Provide brief solutions to the following Chapter Practice Exercises questions on p. 141:
 - 3.1
 - 3.2
 - 3.3
 - Practice on your Ubuntu VM. With commands “man ps”, “ps -ejH”, “ps axjf”...)
 - You need to know functionalities of these commands and how to use command “ps”.
 - One screenshot of the Ubuntu command “lshw -class cpu”:
 - You first have to become the super-user (with command “su” and then provide the super-user password—from your project#1!!).

===== **Important Notes** =====

- Solutions must be **typewritten** (The question text is not required).
- Have all your solutions **in the same order** as the above questions.
- Your answers must be succinct and brief: using keywords/phrases is encouraged and no complete sentences are required. For each of the above questions, **your answer must be limited within 30 words** (with exception of the **question 3.14 and Part Two**—otherwise, your score for that question will be 0).