

Lecture

- In the lecture on February, 22th we discussed the rest of Chapter 3 (Process Concept) and the complete Chapter 4 (Multithreaded Programming). Next week we will start with Chapter 5.(Process Scheduling)
- Prepare for the Tutorial Session on Thursday, February 25, 2010:
4.1, 4.3, 4.4, 4.5, 4.6, 4.9, 4.10, 4.11, 4.14, 4.15

C programming exercises

From the online C tutorial <http://www.cprogramming.com/tutorial.html#ctutorial> read the parts Command line arguments, Linked Lists, Recursion, Variable argument lists, Binary Trees. In the tutorial session focus on the following exercises:

- Write a non-recursive version of a function, which reverses a string `s` in place.
- Write a recursive version of the same function, which reverses a string `s` in place.
- Write a C function `int linearSearch(int a[], int first, int last, int key)` that performs a linear search in an array `a` with `key` with `first` and `last` being the smallest and largest index of an element in the array.
- Write a C function that performs a binary search in an array `a` with `key`.
- Make a recursive implementation of the binary search.