자료구조론
(Data Structure)

course overview

- Class
  - lecture: Mon 13:30 – 15:30 (ITBT 502)
  - lab: Fri 10:00–12:00 (ITBT 608)
  - Instructor: Prof. Mina Rho (minarho@hanyang.ac.kr)
  - TA: Yesol Park (angellou@naver.com)
- Evaluation (tentative)
  - midterm exam 40%
  - final exam 40%
  - lab/homework/quiz 20%
- Prerequisite
  - Discrete mathematics
  - C programming
- Textbook
  - Horowitz, Shani, & Anderson-Freed, "Fundamentals of Data Structures in C" 2nd ed., Silicon Press, 2008

course overview

- Grade: A, B, or F (about 15%)
- Attendance check during the class and lab (2/3 of the classes and labs are required)
- Only one-day late submission is accepted (50% of your score)
- For complier, gcc compiler is required

course schedule

week	lecture	lab	HW
1	Introduction (3/2)	Git, gcc, vi (3/5)	
2	review on C programming (3/12)	pointer (3/9) ADT(3/16)	
3	list, (skip list, disjoint set) (3/19)	list ADT, insert (3/23)	delete, find, show
4	stack, queue(3/26)	Stack (3/30)	circular queue
5	tree rep. Binary tree, tree traversal, (threaded tree)	tree ADT, insert	tree traversal
6	BST	BST	BST
7	heap	heap	heap
8	midterm (4/23 or 30)		
9	AVL	AVL	AVL
11	B-tree, (red-black tree, B+ tree)	infix to postfix conversion	postfix evaluation
12	sorting	quick sort	heap sort
13	hashing, (bloomfilter)	hashing	hashing
14	graph rep. topological sorting	graph	topological sorting
15	single source shortest path, Dijkstra	Dijkstra	
16	Final (6/18)		