Final Exam – Preparations$_1$

- Review all homework assignments
  - Make sure you fully understand each concept
- Review all lecture's topics and concepts
  - Conceptual questions
- Textbook example exercises
- Make sure you understand how each algorithm works and how to use it to solve problems

Final Exam – Preparations$_2$

- Questions covered all lecture topics including RB Tree, Graph, and MST
- 15 multiple choice questions (including True/False questions) and 10 short answer questions:
  - Using algorithms to solve practical problems.
  - Mater Theorem, worst case running time for operations of algorithms, BST→PA2, write recursive pseudo code, given a pseudo code to T(n),
  - If a practical problem is given, you should know which algorithm or combination of algorithms to solve the problem
  - Draw diagrams, proves and explanations, write pseudo codes
  - Hash Table, RB Tree, Graph → Shortest Path, MST

Good Luck to your final

- What day and what time?
- 12:15 ~ 14:30pm on Wednesday, May 16

Course Conclusion$_1$

- This is one of most important and difficult courses in computer science.
- We have introduced all important concepts and skills of Data Structures and Algorithms required for your future Software Engineer's career.
- If you have learned and performed well for this course, you are capable of answering questions for your job interviews and be able to work as Software Eegineer.

Course Conclusion$_2$

- Almost all software engineer position in IT companies required the training from this course.
- Even if you did not perform well for this semester, I would recommend you should repeat this course to strengthen your background in data structure and algorithm.
- In the future, if you need a reference from me, email me with your resume, I will do my best to see if I can recommend you.
- Thank you for taking this course and wish you all the best.