Lab 4: Linked List & More

Data Structures and Algorithms

This lab is to have you implement MyLinkedList.Java, including all the method mentioned in lectures.

Your first task: Implement the following methods

- void add(int d) – add into a linked list
- void insert(int d) – insert into an ordered linked list
- Node find(int d) – find in a linked list
- void delete(int d) – delete from a linked list

Note that insert(int d) take data as its parameter. Your task is to find the right place to insert data if the linked list is ordered from smallest to the largest.

Now let try to implement some of the interview question. You must answer question no. 8 or no. 10. in the lecture and another two questions of your choice (your choice and be 8 or 10 too). In total, you must answer 3 questions.

Your second task: Select and implement solution to 3 of the interview questions mentioned in the video lecture. One of the questions you selected must be question no. 8 or no. 10. The name of the class must be QuestionN inside a file QuestionN.java, where N is the number of the question you selected.

Hand in your work in MS Team assignment by summitting MyLinkedList.java and three of QuestionN.java.