

Data Structures



Lecture 4.1 Linked List Problems

Linked List (Problems)

Insert Element in a Sorted Linked List

Linked List (Problems)

**Sort a Linked List that is already Sorted on
Absolute Values**

Linked List (Problems)

**Finding the Middle Element of a Linked List
(By Traversal)**

Linked List (Problems)

**Finding the Middle Element of a Linked List
(By Pointers)**

Linked List (Problems)

**Detecting Loops or Cycle in a Linked List
(Marking Nodes) [Using Array]**

Linked List (Problems)

**Detecting Loops or Cycle in a Linked List
(Marking Nodes) [Using Member of Node]**

Linked List (Problems)

**Detecting Loops or Cycle in a Linked List
(Using Pointers)**

Linked List (Problems)

**Finding the Length of a Loop or Cycle in a
Linked List**

Linked List (Problems)

**Finding the 3rd Node from the End of a
Linked List (Double Pass)**

Linked List (Problems)

**Finding the 3rd Node from the End of a
Linked List (Single Pass)**

Linked List (Problems)

**Finding the kth Node from the End of a
Linked List**