

Linked Lists

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Warmup Problem

When You Enter The Classroom:

- **Program** the following function:

```
struct Node {  
    int value;  
    Node* next;  
};  
  
int second(Node* head) {  
    // TODO: Return the second element in the list.  
    // If there are less than 2 elements, return -1.  
}
```

- **Analyze** the time complexity:
 - Assume an input of size n .
 - Give an asymptotic bound on the time complexity of your algorithm.
 - What does your bound mean, in terms of your algorithm(s) runtime?

Write your group's work on the whiteboards!

Begin These Now:

- **Consider attending the review session:**
 - This Friday at 2:00-4:00PM in Engineering 040
 - Ask your group members if they are going!
- **Create a new project in your IDE for Lab 6**
 - If you aren't sure how to do this
 - Ask a group member
 - Search for documentation
 - Chat with AI
 - If you are still stuck, call over a staff member
- **Work through the lab handout**
 - Available on GitHub under [labs/lab-06](#)
 - <https://github.com/URI-CSC/212-fall-2015>
 - Yes, it is 2015 not 2025
 - All directions available in the lab handout