**Assignment 3 on Chapter 5 and Chapter 6**

The ADT stack lets you peek at the top entry without removing it. For some applications of stacks, you also need to peek at the entry beneath the top entry without removing it. We will call such an operation peek2. Check if the stack has more than one entry, if so, peek2 returns the second entry from the top **without altering the stack**. **Do not remove any entries while you peek**. If the stack has fewer than two entries, peek2 throws an exception. Write a linked implementation of a stack that includes a method peek2.

Add peek2 method to the **StackInterface.**

Implement the peek2 method in the **LinkedStack** class.

**What to submit:**

1. The **StackInterface.java** including the peek2 method definition
2. The **LinkedStack.java** including the peek2 method implementation
3. The **Driver.java** file that test the new method