

CSCI 162 Homework 5

Prof. William Killian

Due: Oct 12th @ 11:59PM

1. What are the field(s) **absolutely required** to represent a linked list? Write it out as a Java member declaration (include type)
2. Draw a picture of a linked list with the values 1, 5, 4, 2. **Include the field(s) from the last part and what they represent**
3. Write the Java code to construct the linked list you created above. You do **not** have a `LinkedList` class. You only have `IntLinkedListNode`. Refer to the class definition we had in class.
4. Draw out a linked list with values of 1, 3, 5, 7. Insert a node with a value of 6 after the 5. Identify the links you insert by labeling them with a number.
5. Write the code for creating the appropriate link(s). You should create exactly **one** new Node.