| **Name** | **Date** |  |
| --- | --- | --- |
| **LinkedList Intro** | Oct 29 | Linkable.java  Java  LinkedListDemo.java  Java  ListNode.java  Java |
| **LinkedList Add/Remove** | Oct 30 | AddRemove.java |
| *Do Now: Append LinkedList* | Oct 31 | Using this code as a starting point, finish an append method that adds one LinkedList to the end of another:  //1. return a newLL where all the elements of a precede all elements of b  public static LinkedList<String> append(LinkedList<String> a, LinkedList<String> b) {  LinkedList<String> ll = new LinkedList<String>();  } |
| **Linked List Methods** | Oct 31 | [LinkedListMethods.java](https://drive.google.com/file/d/10SRpzb3tAcn74hXH4C3ecieFgzXLcnQi/view?usp=classroom_web&authuser=1) |
| *Do Now: Why Iterator?* | Nov 5 | Conducting research on your own or with your group why are we using an iterator or for each loop rather than a for loop that uses .size() and .get()? |
| *LinkedList Slides* | Nov 6 | linked\_list\_slides\_java\_aplus edited2021.pptx  PowerPoint |
| **Fruits** | Nov 6 | [Fruits.java](https://drive.google.com/file/d/1NxXIEZmA8artb-Sa54KmOLMpA35T-PFl/view?usp=classroom_web&authuser=1)  [Java](https://drive.google.com/file/d/1NxXIEZmA8artb-Sa54KmOLMpA35T-PFl/view?usp=classroom_web&authuser=1)  [LinkedLists - Extending Fruit](https://docs.google.com/document/d/1DypiL5F0RRGiatA5kDHZF0m3NfFgPnMTKzcGYXwBcF0/edit?usp=classroom_web&authuser=1)  [Google Docs](https://docs.google.com/document/d/1DypiL5F0RRGiatA5kDHZF0m3NfFgPnMTKzcGYXwBcF0/edit?usp=classroom_web&authuser=1) |
| **Book Collection** | Nov 11 | Included below are three java files - a ListIterator interface, a LinkedList class (partially implemented), and a tester class named KidsBookCollection. The LinkedList class includes two private inner classes - Node and LinkedListIterator. You must complete the uncompleted methods within those classes. A fourth file (the .doc file) includes the intended output from the tester class. Directions to guide your coding are in the pdf file "Implementing Linked Lists."  -  [KidsBookCollection.java](https://drive.google.com/file/d/1Kod7wqBsGUzfNnXG9GQlqPiMRm-0Qt5m/view?usp=classroom_web&authuser=1)  [Java](https://drive.google.com/file/d/1Kod7wqBsGUzfNnXG9GQlqPiMRm-0Qt5m/view?usp=classroom_web&authuser=1)  [LinkedList.java](https://drive.google.com/file/d/1_jxhVDG-qn1tt_opKFXEy5VzkLXS8V2r/view?usp=classroom_web&authuser=1)  [Java](https://drive.google.com/file/d/1_jxhVDG-qn1tt_opKFXEy5VzkLXS8V2r/view?usp=classroom_web&authuser=1)  [Tester Results](https://docs.google.com/document/d/1uZ7PM17Xqxwk8hftgk6Inhk6s3oHhwtQBWxoUGkKAi0/edit?usp=classroom_web&authuser=1)  [Google Docs](https://docs.google.com/document/d/1uZ7PM17Xqxwk8hftgk6Inhk6s3oHhwtQBWxoUGkKAi0/edit?usp=classroom_web&authuser=1)  [ListIterator.java](https://drive.google.com/file/d/11iJO8fCvBTyLtL-yS5zzQAuGesNlrEM8/view?usp=classroom_web&authuser=1)  [Java](https://drive.google.com/file/d/11iJO8fCvBTyLtL-yS5zzQAuGesNlrEM8/view?usp=classroom_web&authuser=1) |
| *Linked List- Do Now (Remove Last)* | Nov 13 | Remove Last Do Now  Google Docs |
| **Histograms** | Nov 15 | Follow the instructions to complete HistoList. If finished, try the extension by inserting the letters in order.  HistoListRunner.java  Java  HistoNode.java  Java  LL WORKSHEET - HISTO ONE.doc  Word  HistoList.java  Java |
| **Do Now** | Nov 19 | Do Now  Implementing Linked Lists  Assuming there are more than two nodes in a linked list, you want to make a method that will swap the nodes in the first two positions. |
| **Challenge Histo Two** | Nov 21 | LL WORKSHEET - HISTO TWO A.doc  Word  ThingCount.java  Java  ThingCountRunner.java  Java  LL WORKSHEET - HISTO TWO B.doc  Word  HistogramList2Runner.java  Java  Linkable.java  Java  ListNode.java  Java  HistoList.java |
| **Do Now: Doubly Linked List** | Nov 25 | Double Linked List Do Now.JPG  Image  Your answer  Turned in  Estigfend  1. It would easier to access the previous since we have the previous pointer to the last node.  2. It harder to implement, and it uses more memory  3, A music player to traverse through your music. |
| **LINKED LISTS - Implementing Doubly Linked Lists** | Nov 25 | Due Nov 27, 12:05 PM  Implementing Doubly Linked Lists.docx  Word  DLinkedList.java  Java  DListNode.java  Java  DListIterator.java  Java  DoubleList.java  Java |
| **Music Player** | Dec 3 | LLMusicPlayer.docx  Word |
| **Challenge: Roster** | Dec 4 | Once you have completed your implementation of the Doubly Linked List let's use it in the scenario being described  LinkedListWrestler2023.docx  Word |