LinkedList.java

package hwk2;

```
private ListNode firstNode; // pointer to first node
public LinkedList()
   length=0;
   firstNode=null;
 * @param newData the String to be inserted
public void insertAtHead(String newData)
   ListNode newnode = new ListNode(newData);
   newnode.next=firstNode;
   firstNode=newnode;
   length++;
public String removeHead()
```

```
if (isEmpty())
       String first=firstNode.data;
       length--;
       return first;
* @param newData new String to be inserted
public void insertAtTail(String newData)
   ListNode newnode = new ListNode(newData);
   if (isEmpty())
        firstNode=newnode;
       ListNode runner=firstNode;
       while (runner.next!=null) runner=runner.next;
       runner.next=newnode;
   length++;
```

```
ListNode runner=firstNode;
   int index=0;
       if (runner.data.equals(value)) return index;
       runner=runner.next;
public String toString()
   String toReturn="(";
   ListNode runner=firstNode;
   while (runner!=null)
        toReturn = toReturn + runner; //call node's toString
       runner=runner.next;
       if (runner!=null)
           toReturn = toReturn + ",";
   return toReturn;
```

ListNode.java:

package hwk2;

```
public class ListNode
  public ListNode(String value)
      data = value;
```

```
public String toString()
{
    return data;
}
```