Discipline of Computing and IT
University of Newcastle

SENG1120/6120 – Semester 2, 2017
Laboratory 5

Video guide (Node/Linked List): https://www.youtube.com/watch?v=SF6Z_n4bExQ

This laboratory continues the tasks from lab 4 and aims at creating a linked list class.

1. Create a class `LinkedList` that uses some of the code you wrote in last week's lab, to implement a linked list-based container. The class should provide methods:

```
void addToHead(value_type)
void addToTail(value_type)
void addToCurrent(value_type)
value_type removeFromHead()
value_type removeFromTail()
value_type removeCurrent()
void moveToHead()
void moveToTail()
void forward()
void back()
value_type getCurrent(),
size_t size(),
```

   and constructors. Private member variables should include `head`, `tail` and `current` pointers.

2. Write a program that demonstrates the features of your LinkedList class.

Good Luck!