CSI2110 - Lab 1

0) Test your IDE (optional)

In case you are uncertain if your prefered Java development environment works as expected, the archive `Lab1.zip` contains `HelloWorld.java` for testing.

1) Singly Linked List

- Download the archive `Lab1.zip` and extract the singly linked list implementation contained in the following files
  - `LinkList.java`
  - `Node.java`
- Compile and run `LinkList.java` and study its behaviour.

2) Doubly Linked Lists

- Change the singly-linked-list to a doubly-linked-list by changing `Node.java` to `DNode.java`.
- Change the `LinkList` class to work with `DNode`, in particular, adapt the implementation of the `void LinkList.deleteLast()` method.

3) Using Generics

- The archive `Lab1.zip` also contains the file `GNode.java` which implements a node for a singly-linked-list as before but instead of storing a reference to an `Object`, it uses a generic element.
- Adapt the original `LinkList` class to use the generic `Gnode` class.