

University of Newcastle
Discipline of Computing and Information Technology
Semester 1, 2020- SENG1120/6120
Assignment 1

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DEMO:

1. Program compiles and works correctly with the files provided (each incorrectly printed line will attract a 3-mark penalty).
2. Implementation of `remove()`.

A: Total (15.0 / 15.0) B: Bonus for `remove()` (0.0 / 3.0)

REMOVE MARKS IF:

- Code leads to memory leaks during execution (0.0 / -1.0)
- Lack of macroguards (0.0 / -1.0)
- Lack of destructors (0.0 / -1.0)
- Lack of `const` qualifiers (0.0 / -1.0)
- Lack of comments/documentation in the code (0.0 / -2.0)
- Use of `String` unnecessarily in the code, i.e. other than in `typedef` statements (-0.5 / -2.0)
- Declaration of temporary variables as member variables of the class (0.0 / -1.0)
- Lack of use of dynamic memory allocation in `Node` or `LinkedList` (0.0 / -10.0)
- Use of `friend` qualifier (0.0 / -2.0)
- Violation of encapsulation / information hiding (e.g. use of global variables) (-2.5 / -5.0)
- Implementation in the header file (0.0 / -4.0)

C: Total deductions (-3.0 / -30.0)

FINAL MARK [MIN (15.0, A+B-C)]: 12.0

Comments:

Compiles and runs well.

-0.5: `count()` function in `LinkedList` takes a string instead of a `value_type`

-2.5: Returns `Node*` publicly in `LinkedList`. `getHead()`, `getTail()`, `getCurrent()`.