302-A01 Introducing Linky the linked list

This exercise focuses on making you practice implementing self-referential abstract data types. The following files have been provided to you by your instructor;

- **linky.h**   will contain the headers (aka declarations) of our functions.
- **linky.c**   will contain the definitions of some of these functions
- **linky_iterative.c**   will contain the definitions of function which can be
                           implemented using loops (i.e. iteratively)
- **linky_recursive.c**   will contain recursive alternatives to the above
- **tests.c**   will contain the main function which tests all of the above

Functions to implement

The headers of the functions you need to implement are detailed in **linky.h**. A main function with tests which can be used to validate both the iterative and recursive functions is provided to you in the **tests.c** file. Make sure you start by implementing the basic functions in **linky.c** then work on the iterative alternatives for the remainder functions. Once you are done, you will be able to re-implement the latter in a recursive manner and test the new versions.