CS 2213 Advanced Programming Ch 12 – Recursive List

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Thanks to Eric S. Roberts, the author of our textbook, for providing some slides/figures/programs.



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Ch 12 is optional.

We will cover this chapter later if time permits

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Objectives

- To understand that linked lists have a fundamentally recursive character.
- To learn how to write recursive functions that mirror the structure of recursive lists.
- To comprehend the design and implementation of a general list.h interface.
- To appreciate the importance of immutable types.
- To understand the concept of extended-precision arithmetic and how to implement it using recursive lists