

CS 311 - Programming Language Concepts

Programming Assignment #7

Read Chapter 6 – Data Types

Answer the following questions:

1. What are the arguments for and against representing Boolean values as single bits in memory?
2. Compare the tombstone and lock-and-key methods of avoiding dangling pointers, from the points of view of safety and implementation cost.
3. Explain all of the differences between subtypes and derived types.
4. What significant justification is there for the `->` operator in C/C++.
5. What are all of the differences between the enumeration types of C++ and those of Java?