

Practice Problems 2

1. Review C++ / Object-orientation
 - a. Example class Book
 - i. constructor taking “isbn” and “title” as parameters
 - ii. make isbn private and title public
 - iii. add a public printIsbn() method
 - b. How can we instantiate a new object of type Book?
 - c. Which variable is visible from the outside, which one is hidden?

2. Sort the following lists using SelectionSort
 - a. 3, 2, 5, 1, 4
 - b. 1, 2, 3, 4, 5
 - c. 5, 4, 3, 2, 1

3. Using the recursive definitions on the slides, show how the following can be constructed
 - a. compound < computer
 - b. test < testing
 - c. $(a + b) / (c - d) + f$