

# CS0007: Final Review

**Key Terms:** algorithm, data type, procedural programming, object-oriented programming, object, class, attribute, method, void method, value-returning method, method call, argument, parameter, value parameter, reference parameter, return statement, method signature, access specifier (`public` and `private`), instance method, accessors, mutators, constructor, method overloading, encapsulation, data hiding, keyword, identifier, data type, primitive data type, class type, reference variable, package, modulus, narrowing conversion, scope, decision structure, nesting, looping structure (loop), array, element, index (subscript), data structure, linked list, array list, text file, input file, output file, appending, recursion, recursive method, base case, depth of recursion, boolean expression.

**Classes:** `ArrayList`, `System`, `Scanner`

## **General Concepts:**

- Divide and Conquer and Modular Design
- Procedural Programming vs. Object-Oriented Programming
- Data Type
- Data Structures

## **Specific Programming Concepts:**

- Classes and Objects
- Attributes and Methods
- `if` Statements
- Methods
- Recursive Methods

Note: There is no guarantee that all of the material on this document will be on the mid-term exam. Also, there is no guarantee that everything on the mid-term exam is on this document.