**Readings**

Chapter 4

* Most operators can be divided into 4 major groups
  + Arithmetic
    - Similar to the way they are expressed in algebra
    - Cannot use on boolean types, but can use on char (char is a subset of int)
  + Bitwise
    - Operators are **&, |, ^, ~**
    - “Bitwise NOT” → aka bitwise complement
      * Inverts all of the bits of its operand (e.g. 00101010 → 11010101)
    - “Bitwise AND” → produces a 1 bit if both operands are 1, 0 otherwise
    - “Bitwise OR” → either bit is 1 then 1, otherwise 0
    - “Bitwise XOR” → when only one operand is 1 then 1, otherwise 0
  + Relational
  + Logical

1. Relational Operations
2. Boolean Logical Operators
3. The ? Operator

Chapter 5

1. Java’s Selection Statements
2. Iteration Statements

**Video Lectures**

1. Java Relational and Logical Operators
2. Java Control Statements
3. Java Control Statements Demonstration
4. The For Iteration Construct
5. The While Iteration Construct
6. The Do-While Iteration Construct
7. Nesting Iteration Constructs
8. Comparing Iteration Constructs