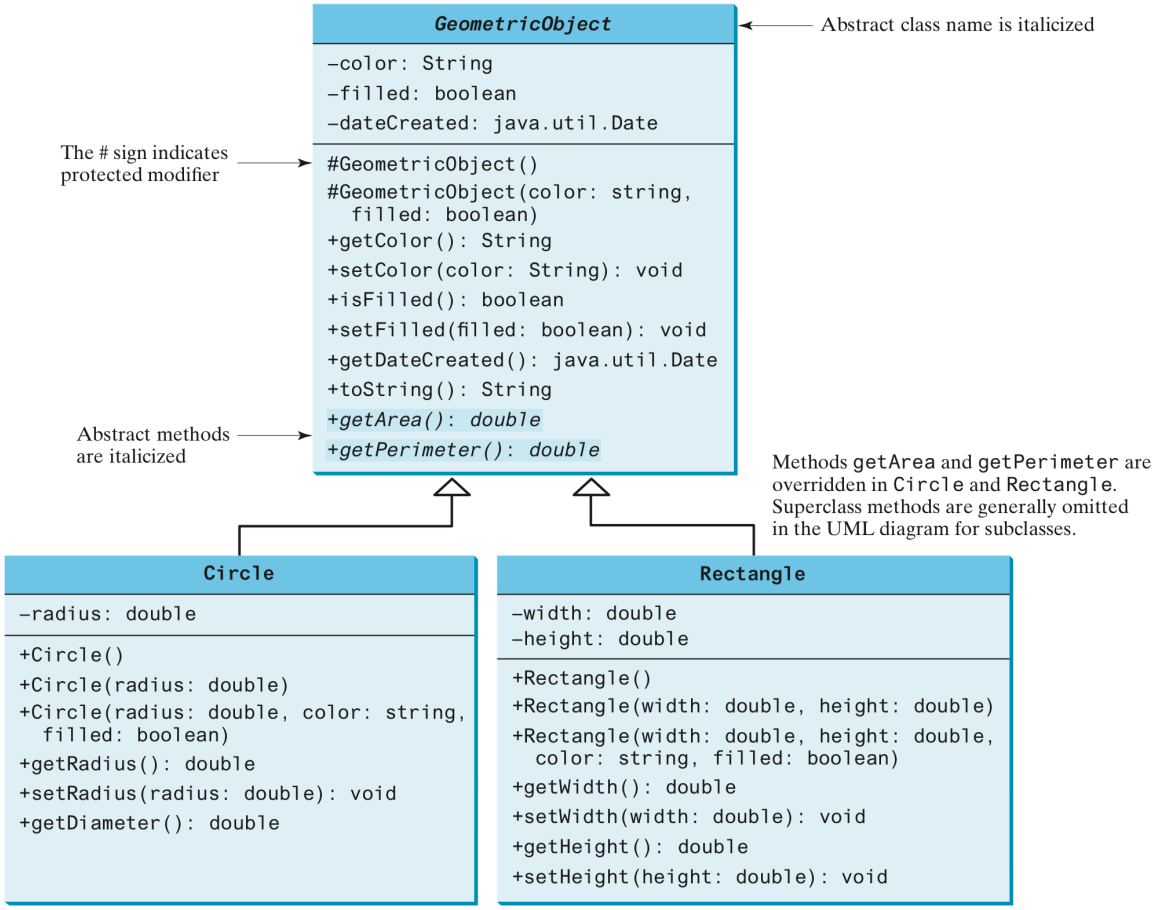
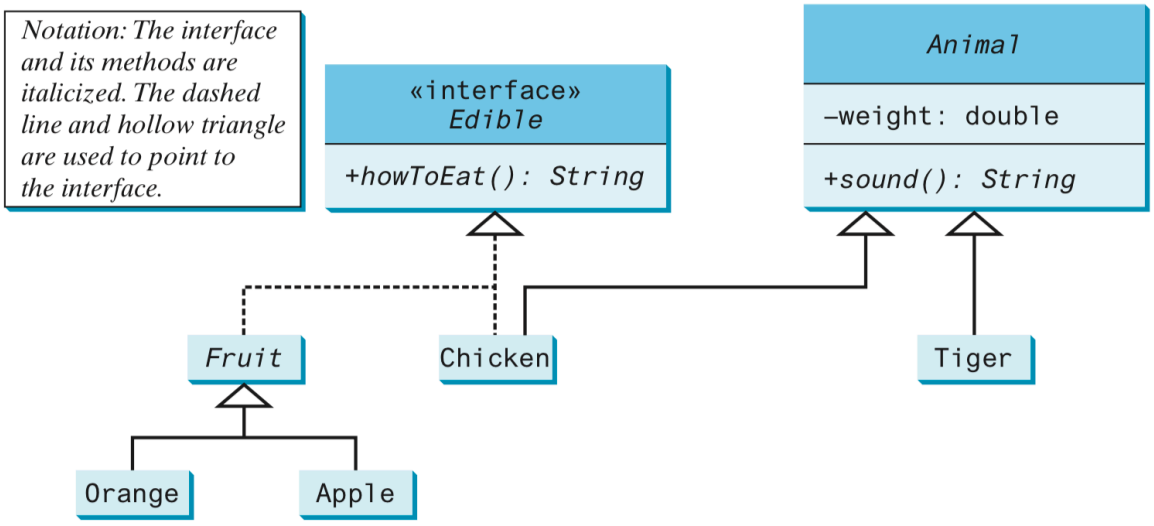
Part 1) Abstract classes



LargestNumber and TestCalander

Part2) Interfaces



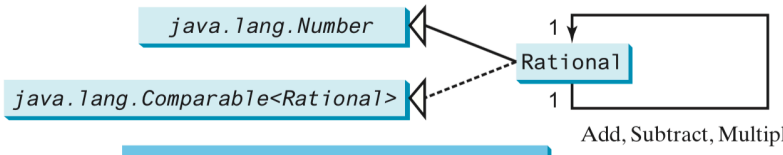
*Note

Add static final variable, static method, and default method to Edible interface

Implement Comparable<T> interface and Cloneable interface in the same class (ComparableCircle)

Part 3: The Rational Class

- Represent rational numbers
- Inherit from Number ABC
- Represent numerator and denominator to the lowest terms possible
- Add, subtract, multiply and divide methods
- Implement Comparable and Cloneable
- Test it



Rational
-numerator: long -denominator: long
+Rational() +Rational(numerator: long, denominator: long) +getNumerator(): long +getDenominator(): long +add(secondRational: Rational): Rational +subtract(secondRational: Rational): Rational +multiply(secondRational: Rational): Rational +divide(secondRational: Rational): Rational +toString(): String -gcd(n: long, d: long): long

The numerator of this rational number.	
The denominator of this rational number.	
Creates a rational number with numerator 0 and denominator 1.	
Creates a rational number with a specified numerator and denominator.	
Returns the numerator of this rational number.	
Returns the denominator of this rational number.	
Returns the addition of this rational number with another.	
Returns the subtraction of this rational number with another.	
Returns the multiplication of this rational number with another.	
Returns the division of this rational number with another.	
Returns a string in the form “numerator/denominator.” Returns the numerator if denominator is 1.	
Returns the greatest common divisor of n and d.	