

Inheritance

3* Fundamental Principles of Object Oriented Programming

- Encapsulation
 - Inheritance
 - Polymorphism
- * abstract

Inheritance in Java

Every class* inherits from ONE
and only ONE other class

the Object class is the root
of the family tree.

Object is the parent for all
classes not specifying a parent.

Subclass refers to a derived class
ex:



"B is a subclass of A"
"A is a superclass of B"

Superclass refers to the base / parent class

in Java we can substitute a **subclass** anywhere a **superclass** is required. This is an example of **polymorphism**.

In Java inheritance forms an **is-a** relationship.