# Constructor Mystery

This is NOT from the example problems. It is provided to emphasize the order in which constructors are called by child classes.

The parent class is Alpha. It has a default constructor and a second constructor that takes an integer. Note that the default constructor prints out “Alpha()” so we know when it is actually called.

The child class is Bravo. It has two constructors: one that takes an integer as a parameter (similar to parent) and one that takes a String as a parameter. The constructor that takes an integer explicitly calls the parent constructor that takes an integer (otherwise it would call the parent’s default constructor. There is no parent constructor that takes a String as a parameter and no parent constructor is expliciitly called by the child constructor that takes a String as a parameter so the default parent constructor is called.

Demo all these scenarios. The important thing to note is that the child classes ALWAYS call a constructor from the parent class FIRST (even if no parent constructor is explicitly called)….and that if a parent constructor is explicitly called then it must be called FIRST in the child constructor.

# Inheritance and Polymorphism Mystery – Practice Problem 1

# Collection Mystery 1 – Practice Problem 2

# Collection Mystery 2 – Practice Problem 3