# Chapter 10 Homework

1. What is an abstract method?

**An abstract method is one with the keyword abstract in its declaration and does not provide an implantation.**

1. \_\_\_\_ involves using a superclass variable to invoke methods on superclass and subclass objects, enabling you to "program in the general."

**Polymorphism**

1. Classes from which objects can be instantiated are called \_\_\_\_ classes.

**concreate**

1. Subclass constructors can call superclass constructors via the \_\_\_\_ keyword.

**super**

1. What is the difference between abstract classes and interfaces?

**Abstract classes provide a common superclass in an inheritance hierarchy to form an is-a relationship. Interfaces provide a way for unrelated classes to be handled polymorphic by defining common methods.**