

## Unit Eight Lecture Four:

### Topic 1: Using an interface that is located in java.util

On the AP exam, you will need to know that the `ArrayList` class implements the `List` interface from `java.util`. If you look over the attached information on the `List` interface should also notice that it has 25 methods (a lot more than any other interface we've discussed).

### Topic 2: Using an Interface that is located in java.lang

The `Comparable` interface will also be tested on the AP exam. The attached information on the `Comparable` interface shows that this interface has only the `compareTo` method.

The `compareTo` method returns...

- a) 0 - if the present object (referenced by *this*) is the same as the object passed to the method
- b) 1 - if the present object (referenced by *this*) is greater than the object passed to the method
- c) -1 - if the present object (referenced by *this*) is less than the object passed to the method

This means that if you create a class that implements the `Comparable` interface, you must develop a `compareTo` method that determines how two objects of this type will be compared. For example, two objects of type `Rectangle` might be compared using their areas or perimeters.

Unit Eight Assignment Three: The Hearts Project