

**22/SP-COP-2805C-61163 Java Advanced**

**Assignment 13.09**

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# Document Version Control

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# Document Purpose

The purpose of this document is to show the revisions of the Circle class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this program is to revise the circle class to have it extend from the GeometricObject class, while implementing the comparable interface.

## Technical Implementation Components

* This assignment revises the Circle class to extend from the GeometricObject class. The changes to this program include adding a new override method equals method since it is now being inherited.

## Technical Implementation Pseudocode

*create 2 circles*

*compare radii of circles*

*if*

*they match, print true*

*else*

*print false*

## Assignment 13.09 Implementation

This program remains mostly as its original version while adding a few changes. The first major change was adding the override to the equals method. This allows the method to override its superclass version when comparing two circles

A main method was added as a test and creates two circles and a rectangle object. The objects are then compared, and the boolean value is returned.