

## Enclosure and Comparable interface

Write an interface called "Enclosure". It should contain two abstract methods: one of them is named "perimeter" which takes no argument and return the perimeter of the enclosed shape as a double. The other one is named "area" which also takes no argument and return the area of the enclosed shape as a double.

Write two classes called "Circle" and "Square". Both classes should implement the customized "Enclosure" interface and java's built-in "Comparable" interface. Create necessary data member(s) in the class "Circle" and "Square". Create appropriate constructors, getters, and setters for the class "Circle" and "Square". Override the compareTo method of the interface "Comparable" to check if two circles or two squares have the same size.

Write a test program to check if your code is correct.