1. Design a class named Rectangle to represent a rectangle. The class contains:
   - Two double data fields named width and height that specify the width and height of the rectangle. The default values are 1 for both width and height. These two fields have to be private.
   - A no-arg constructor that creates a default rectangle.
   - A constructor that creates a rectangle with the specified width and height.
   - Setter and getter for the two fields.
   - A method named getArea() that returns the area of this rectangle.
   - A method named getPerimeter() that return the perimeter.

   After writing the rectangle class, write a test program that creates two Rectangle objects – one with width 4 and height 40 and the other with width 3.5 and height 35.9. Display the width, height, area, and perimeter of each rectangle in this order.

   Hints:
   - Use the Circle class as reference for yourself.
   - Area of a rectangle is width * height.
   - Perimeter of a rectangle is 2 * (width + height)

2. Design a class named Stock that contains:
   - A string data field named symbol for the stock's symbol.
   - A string data field named name for the stock's name.
   - A double data field named previousClosingPrice that stores the stock price for the previous day.
   - A double data field named currentPrice that stores the stock price for the current time.
   - A constructor that creates a stock with the specified symbol and name.
   - Setter and getter for the all fields.
   - A method name getChangePrecent() that returns the percentage changed from previousClosingPrice to currentPrice.

   After writing the rectangle class, write a test program that creates a Stock object with the stock symbol ORCL, the name Oracle Corporation, the previous closing price of 34.5. Set a new current price to 34.35 and display the price-change percentage.

   Hints:
   - Use the Circle class as reference for yourself.
   - Change percentage will be calculated as: (current – previous)/ previous