## CPAN 211 Lab 2

## Goals

Practice interfaces

## Description

A kindergarten management wishes to decorate their classes by painting different shapes on the walls in three different colors: red, green and blue. The shapes are circles and squares that can vary in size determined by their side length L or radiuses R in meters. The area of a shape is calculated through the following formulas:

Circle = 3.14 \* R \* R

Square = L \* L

The kindergarten places an order with a painting company listing all the required shapes with a length/radius and color. The order is finished with the word “end”:

Circle 0.5 blue

Circle 0.2 red

Square 1 blue

Square 1.5 green

Circle 1 green

Square 1 green

Square 2 blue

Circle 1 blue

Square 0.5 red

end

Define an interface named Shape to handle different shapes with two methods: getColor() and getArea().

The program will read the order, calculate the total area of all red, green and blue shapes using the Shape interface and print out the results.

## Deliverables

Submit your code by the end of the day through Blackboard.

Submit java files only

Do not zip them. Do not submit the project