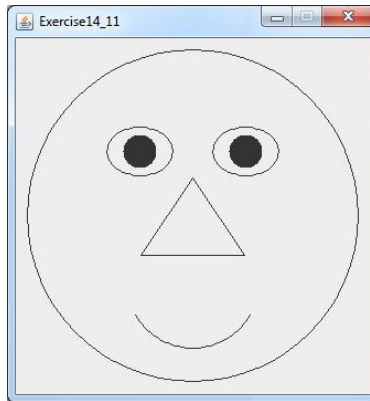CSC 360   Assignment # 3
Total points: 2 x 20 = 40

Problem 1: Do Programming Exercise 14.11 (Paint a smiley face). The face should have all of the components shown in the sample below. However, the proportions of the face do not need to match the sample.

Problem 2: In this program, you are required to write an automatic "Modern Art Generator" program. The following points are specified to generate the automated modern arts.
- Use a 600 x 300 canvas for creating the artwork.
- The artwork will be a composition of rectangles.
- The rectangles will be of random sizes and at random positions.
- The rectangles will be of random colors and opacities.
- The rectangles will be of a minimum size 10x10, and a maximum size 100x100.
- All rectangles should be placed within the default visible area of 600x300.
- The artwork will be made up of a total of 50 rectangles.

Note: Use the basic Pane class to place the rectangles so that absolute object placement is allowed for the random rectangles in the artwork.

Below are some *Modern Arts* from my program.