

CSE 3302/5307 Lab Assignment 1

Due March 24, 2015

Goals:

Understanding of JavaScript and compiler/interpreter concepts.

Requirements:

1. Extend the baseline PL/0 compiler/interpreter for:
 - a. A procedure `cvtext(num, x, y)` to display a number centered horizontally and vertically at the indicated coordinates.
 - b. A procedure `cvtriangle(x0, y0, x1, y1, x2, y2)` to draw a filled green triangle using the three vertices.
 - c. A procedure `cvclick` (no arguments) to suspend execution until an `onclick` event occurs on the canvas.
2. Submit your *zipped* files on Blackboard by 9:15 a.m. on March 24. Be sure to indicate the browser(s) you tested with.

Getting Started:

1. Useful files, including baseline code and HTML, are at <http://ranger.uta.edu/~weems/NOTES3302/BASELINE/> (The baseline was changed on Feb. 23)
2. There will be no changes to much of PL/0, including the compiler (functions `textStream` through `block`).
3. The `stop` button must maintain its functionality, even in the presence of `cvclicks`. Likewise, incorrect handling of canvas `onclick` events could lead to strange behaviors.