If you open a program made by a fellow student on khan academy and tinker with the source code, it’s ok. The original code still remains, and if you really like your modifications, you can save the new source code as a spin off, which will then appear on your front page.

Drawing:

*Draw a rectangle*

rect(10, 20, 100, 200, 15);

The last two numbers are the sizes of the sides, the first two are the X-Y position. Remember that 0 is on the **top-left.**

So, everything is in pixels. You can also specify the radius of the borders to make it more round(fourth parameter, optional).

*Draw ellipses*

ellipse(X-pos ,Y-pos , X-diameter, Y-diameter);

**Note:** The X, Y position determines where is the center of the ellipse, and the upper left corner of the rectangle.

*Draw a line*

line(X-pos, Y-pos, X-end, Y-end);

**Note:** drawing functions start at the bottom-layer of the page and move upwards. The first shape to be written will be overshadowed by the following ones.

Coloring

**background(**255(red), 255(green), 255(blue))

If you put it at the end of the script, it creates an opac mask.

**stroke**(red; blue, blue)

all drawing outlines after this function will be of this color

**noStroke()**

shapes won’t have an outline

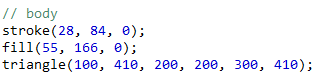
**fill**(red, green, blue);

fills all the following shapes with that color

**noFill()**

all shapes after that will be transparent.

*Note: So here’s how you draw and color: create blocks of functions, each one being a shape, colored, and outlined like you want.*



Here is the documentation for some functions related to drawing and coloring

