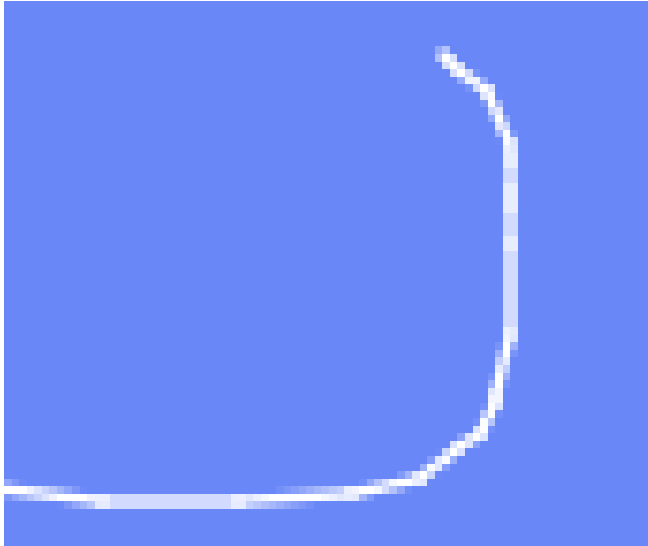
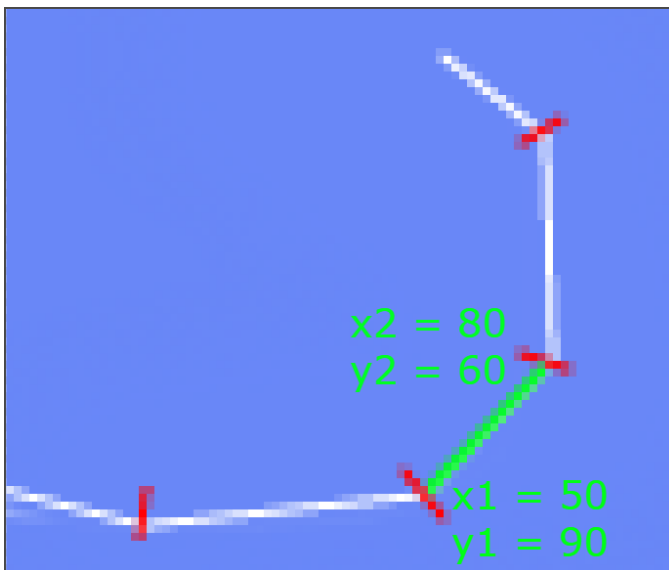


Drawing Line Objects

When a shape is drawn like this



It is done so by putting multiple straight lines onto the screen. Each line has 2 x coordinates and 2 y coordinates.



We want to draw lines only when the mouse is down. We do this with an if statement

```
if love.mouse.isDown(1) then
```

And obtain the x and y coordinates with functions like the following

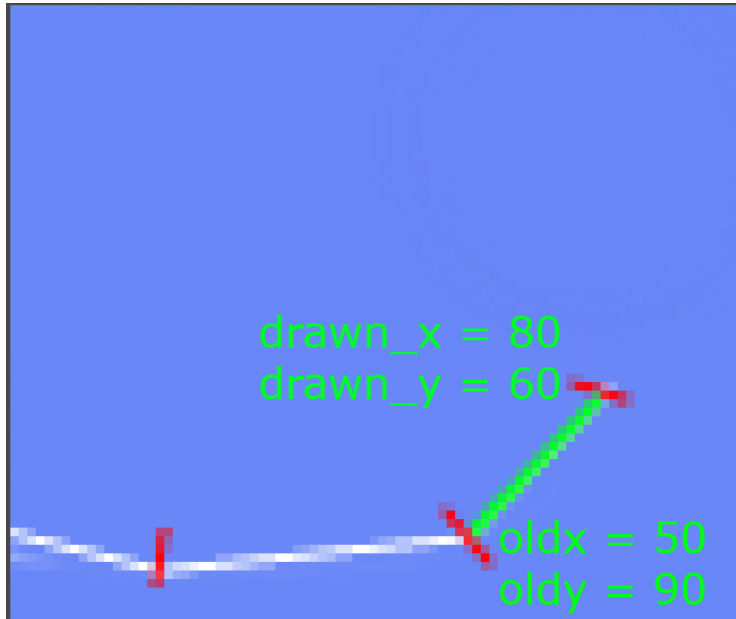
```
drawn_x = love.mouse.getX()
```

But we need to have 2 x and y coordinates in order to draw a line. Because of this we have the variables *oldx* and *oldy* originally set to nil.

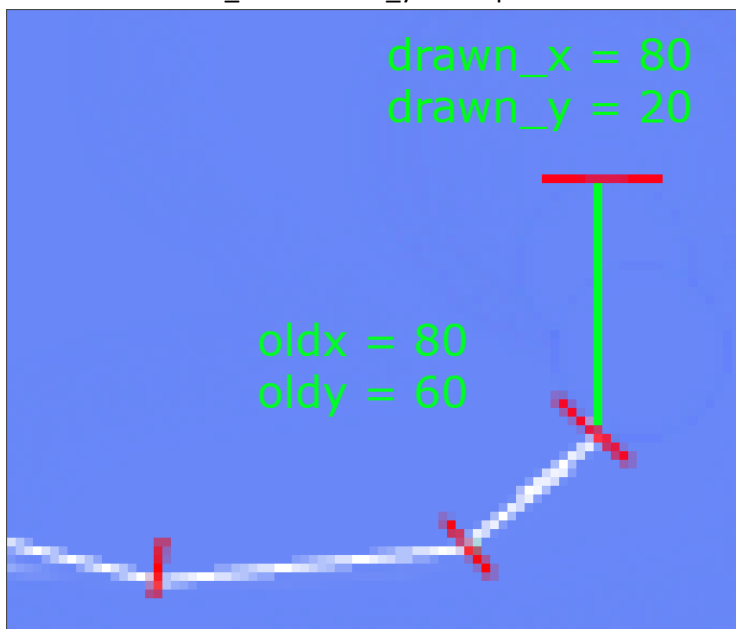
After calling *love.mouse.getX()* check if *oldx* is set to nil

if oldx then

If *oldx* is not nil then draw a new line with *drawn_x* and *drawn_y* as the x1 and y1 coordinates, and *oldx* and *oldy* as the x2 and y2 coordinates. After the if statement set *oldx* and *oldy* to be equal to *drawn_x* and *drawn_y*, this is so you will have continuous lines.



Notice how *drawn_x* and *drawn_y* in the picture above become *old_x* and *old*



Setting oldx and oldy to nil

