Code

Universal

Variables
Operators
Conditionals
Loops
Arrays

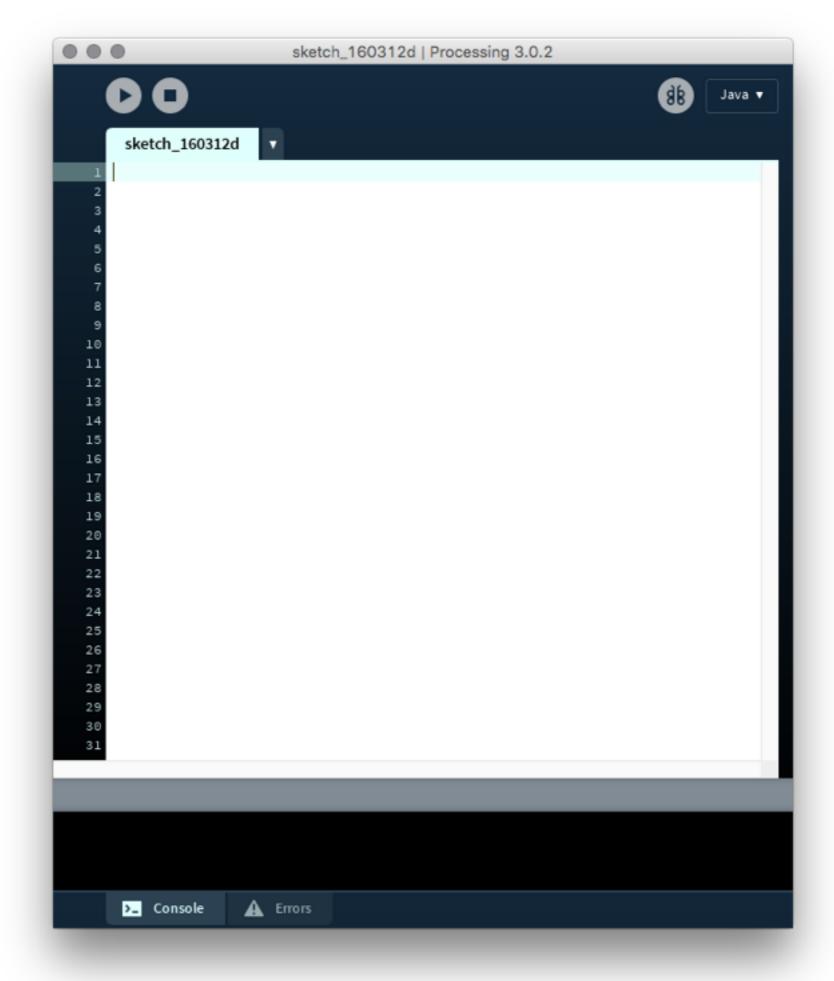
Processing

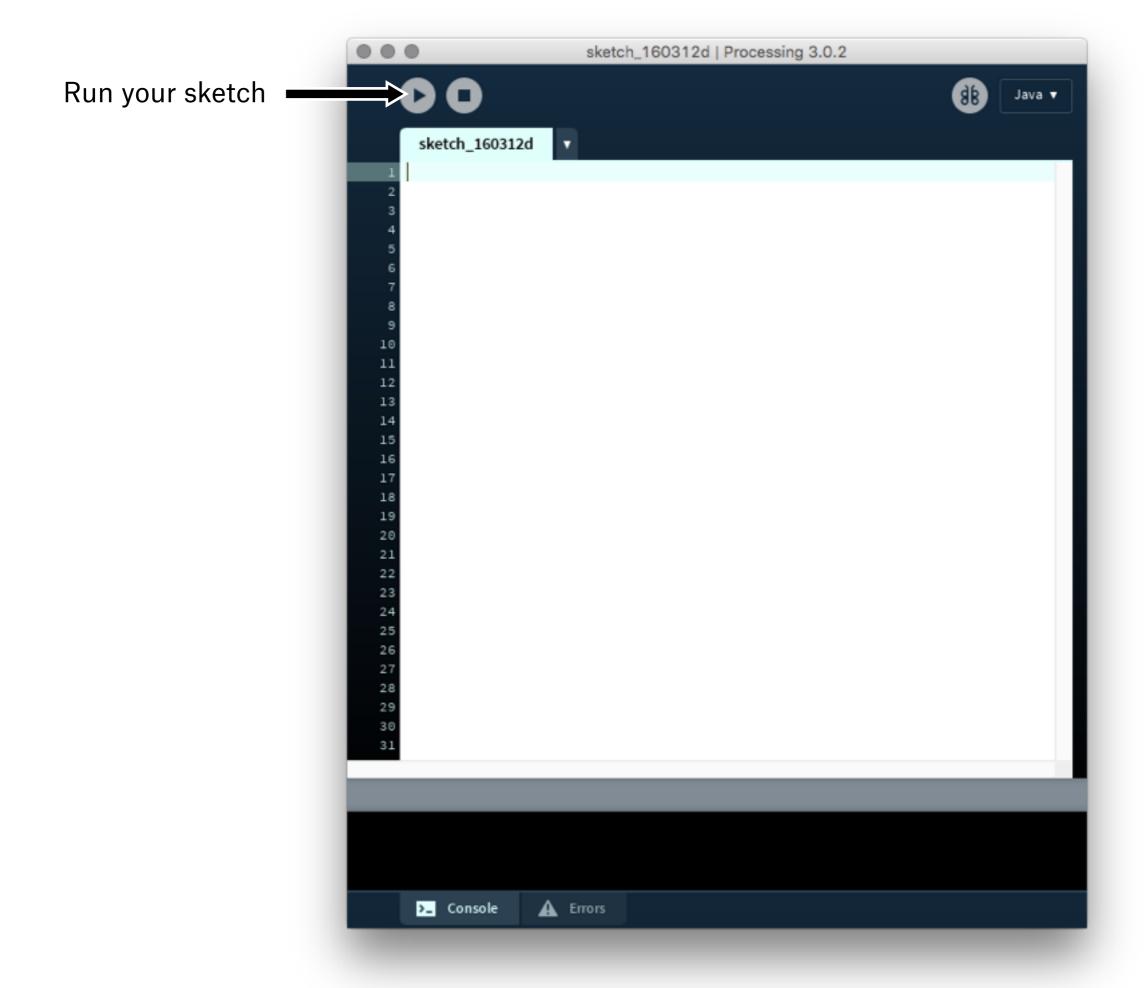
2D Shapes
Transformation
Animation
Interaction

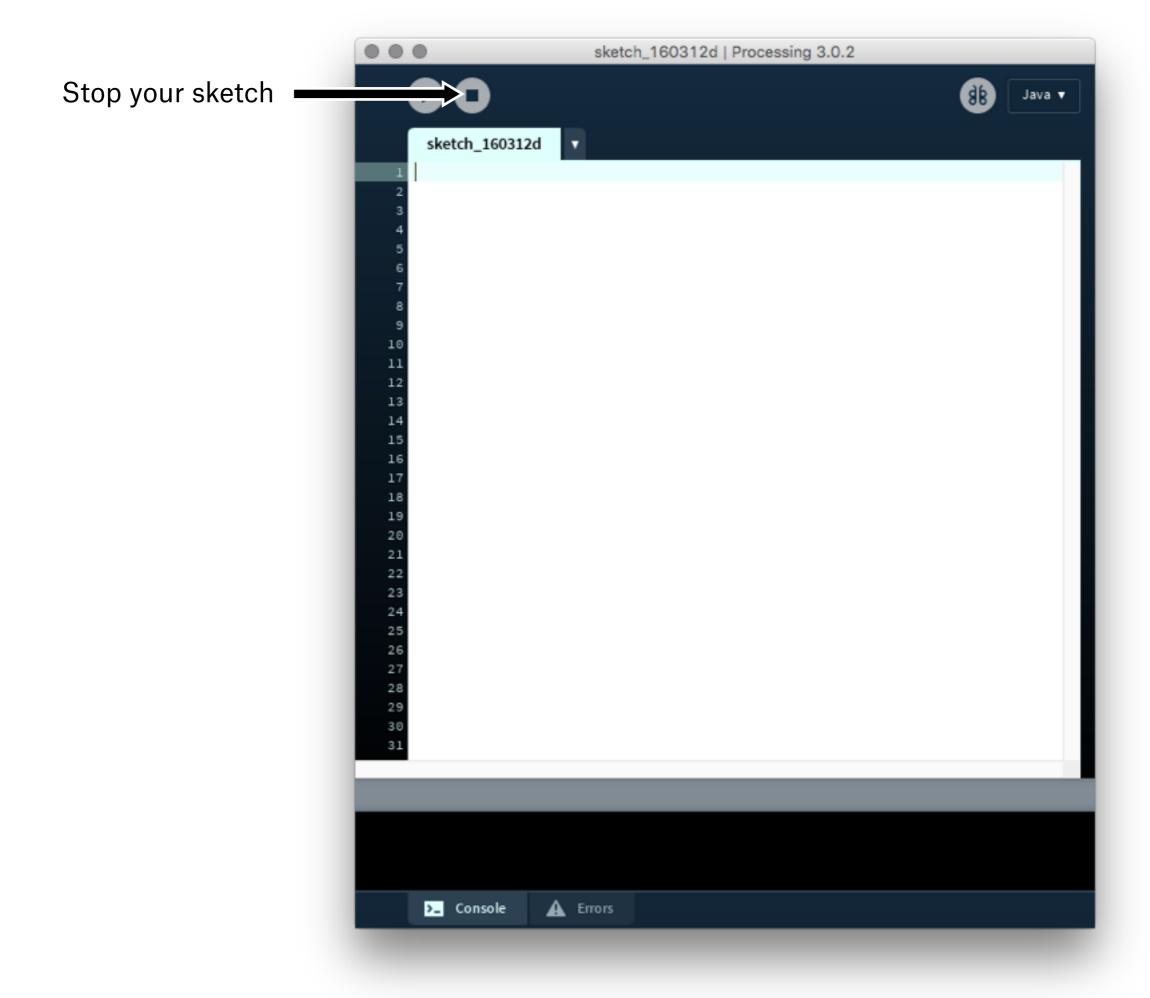
Sketch folder

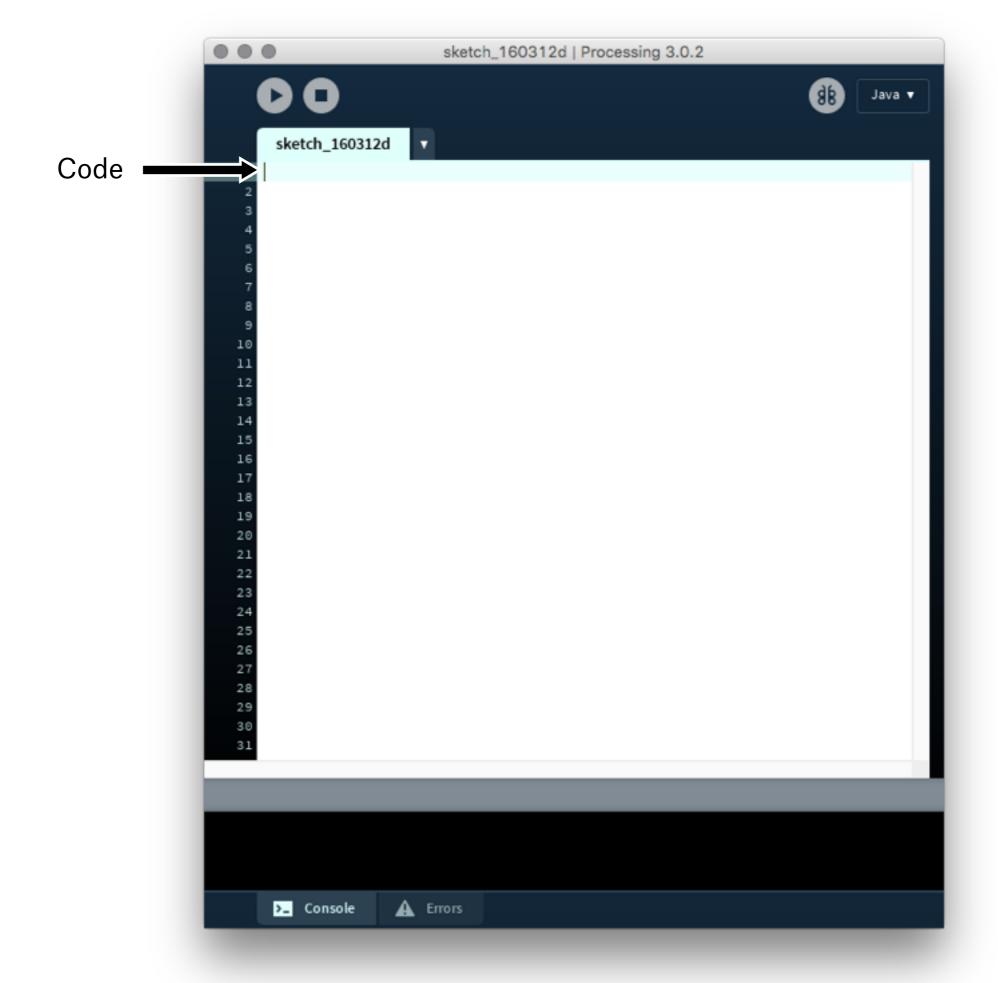


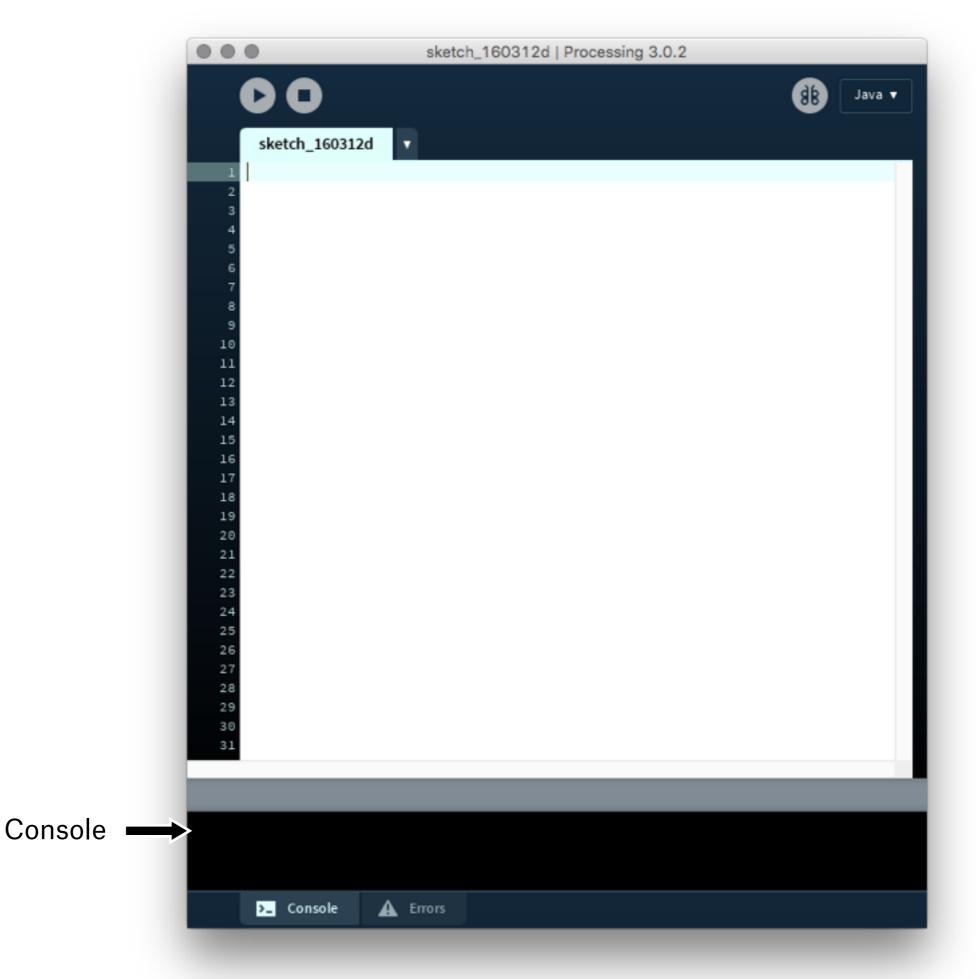
Processing

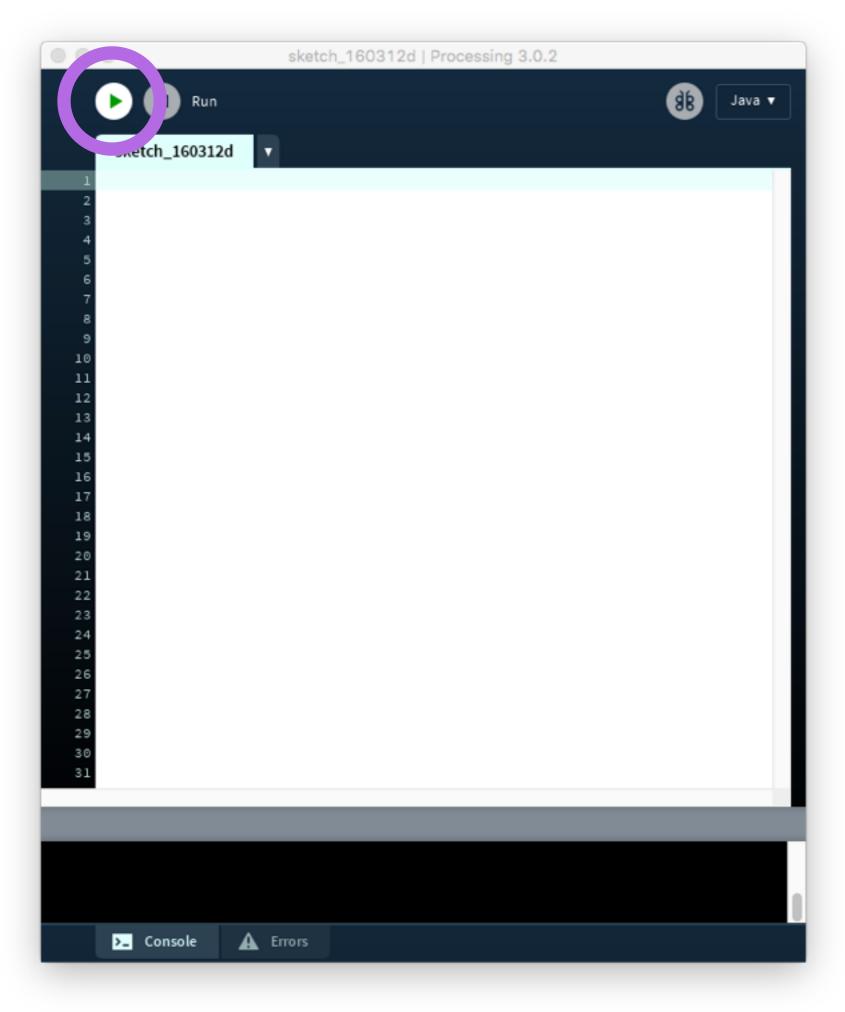








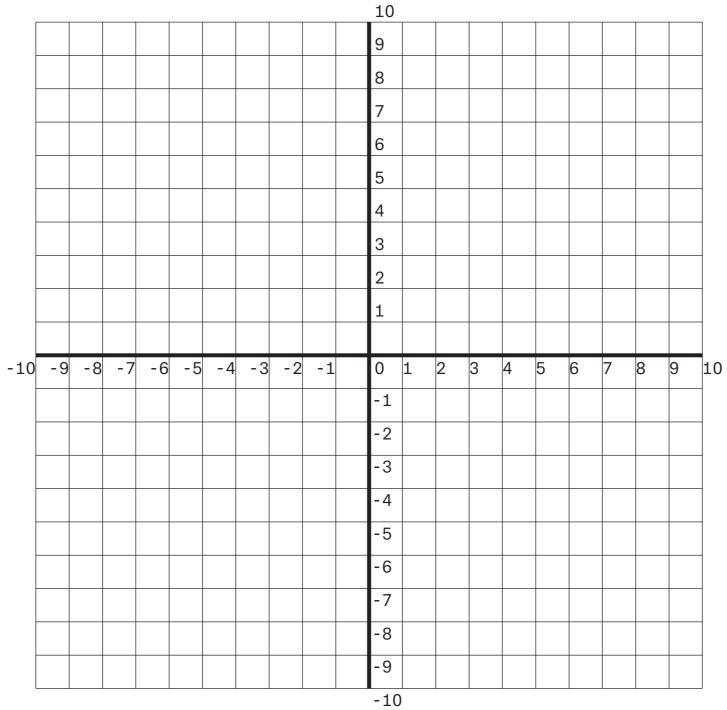


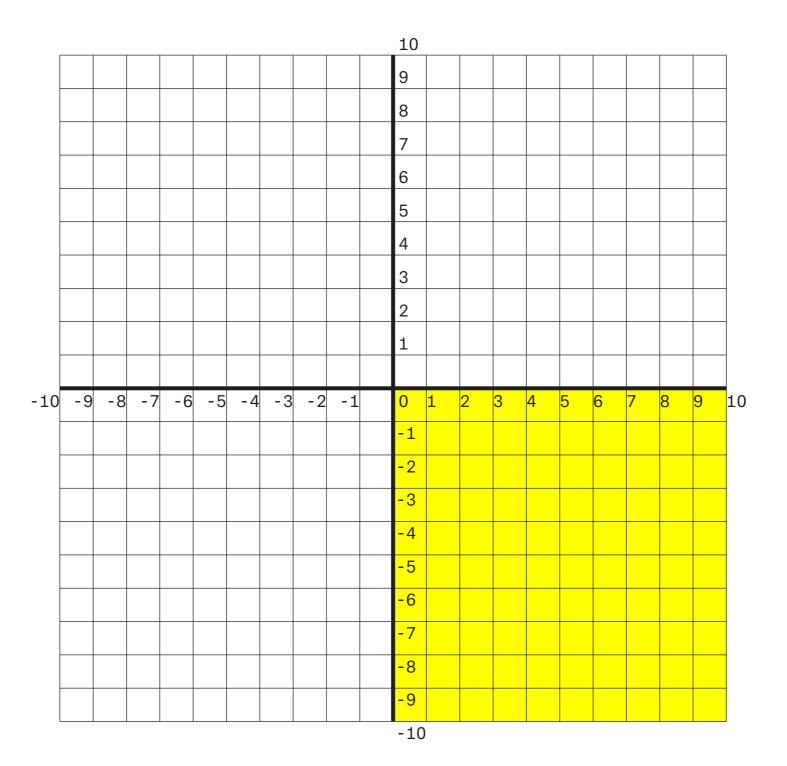




Canvas

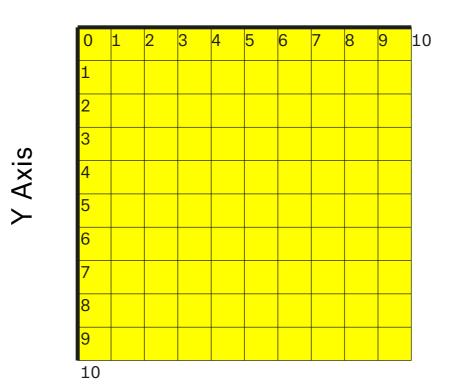
Coordinates and shapes





0	1	2	3	4	5	6	7	8	9	10
-1										
-2										
-3										
-4										
-5										•
-6										
-7										
-8										
-9										
-10										ı

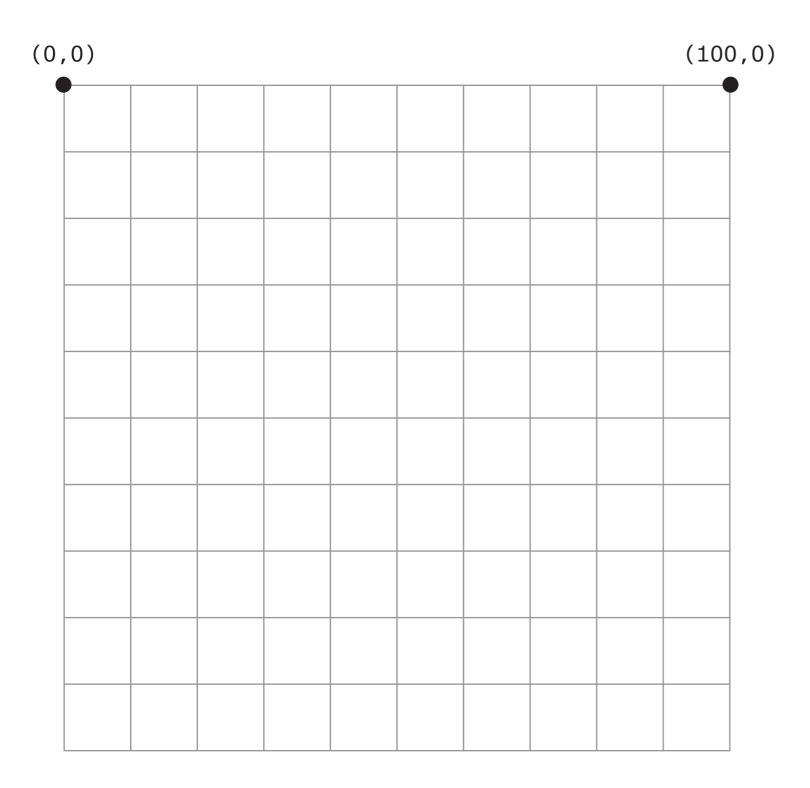
X Axis

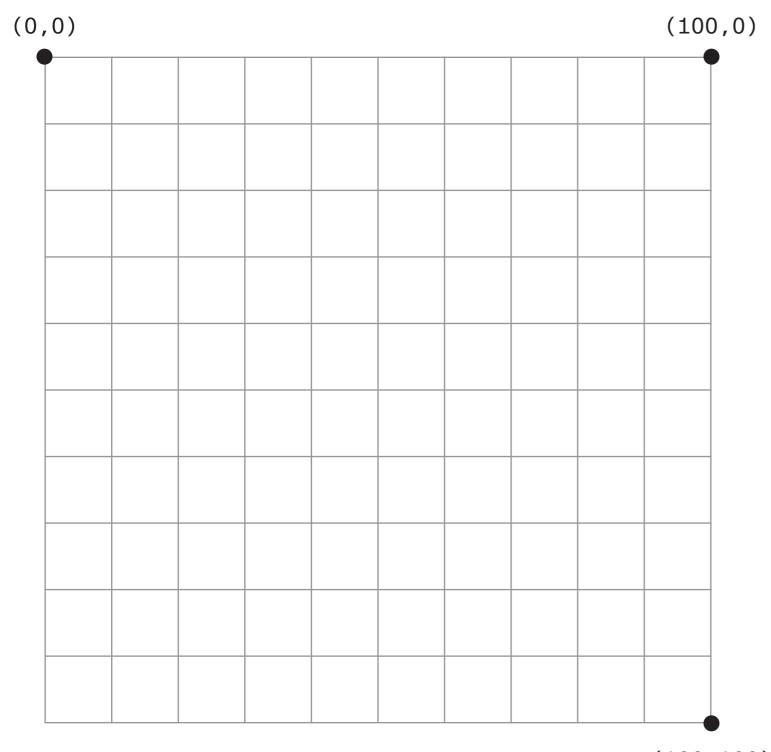


x axis

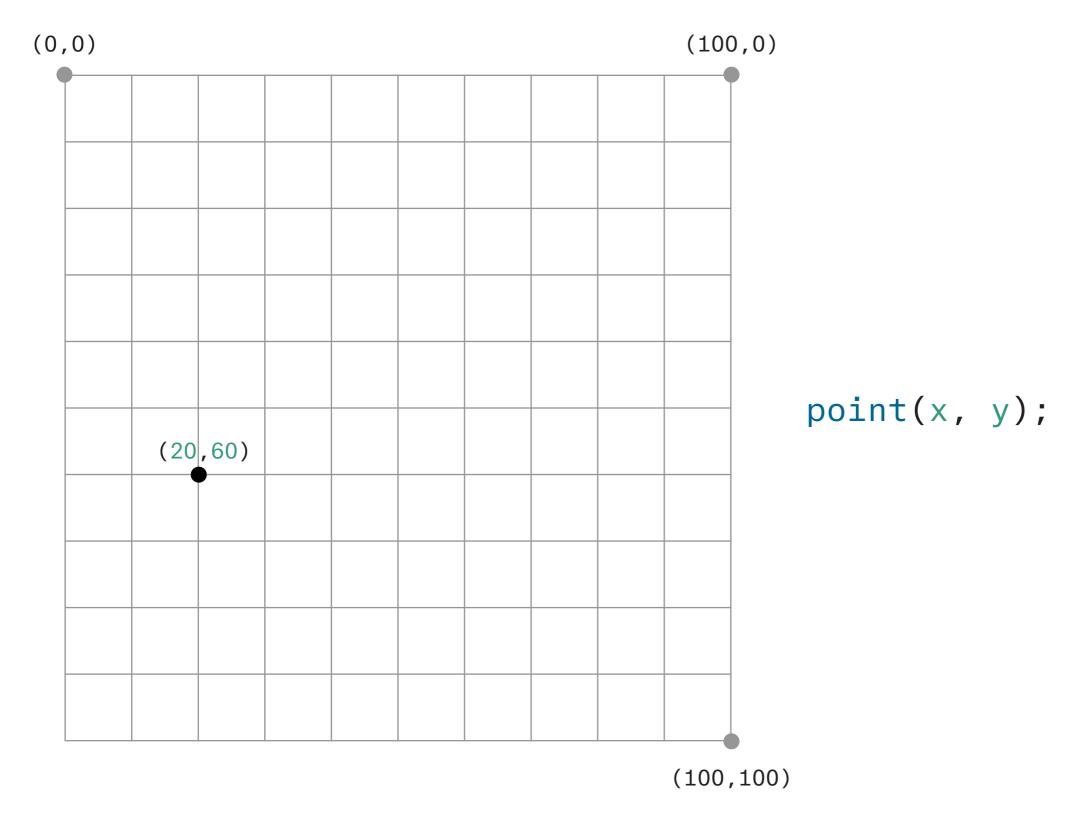
y axis

(0,0)

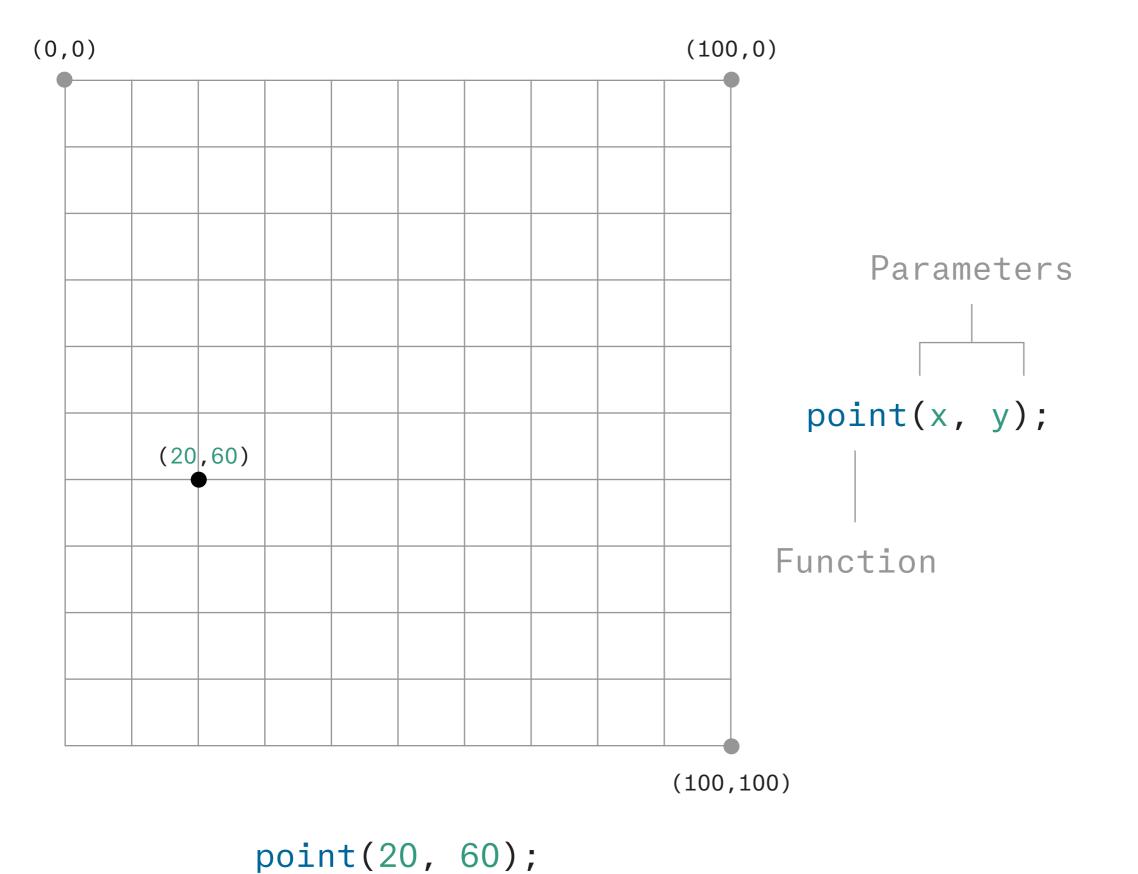


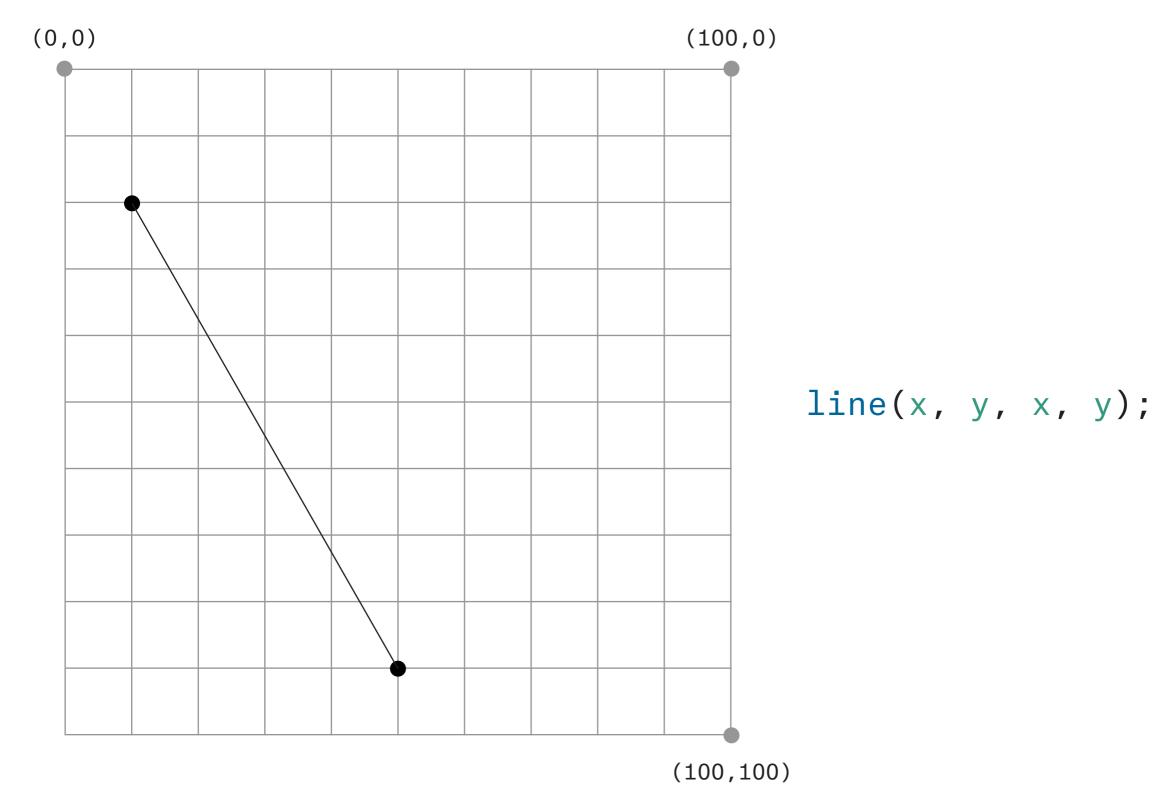


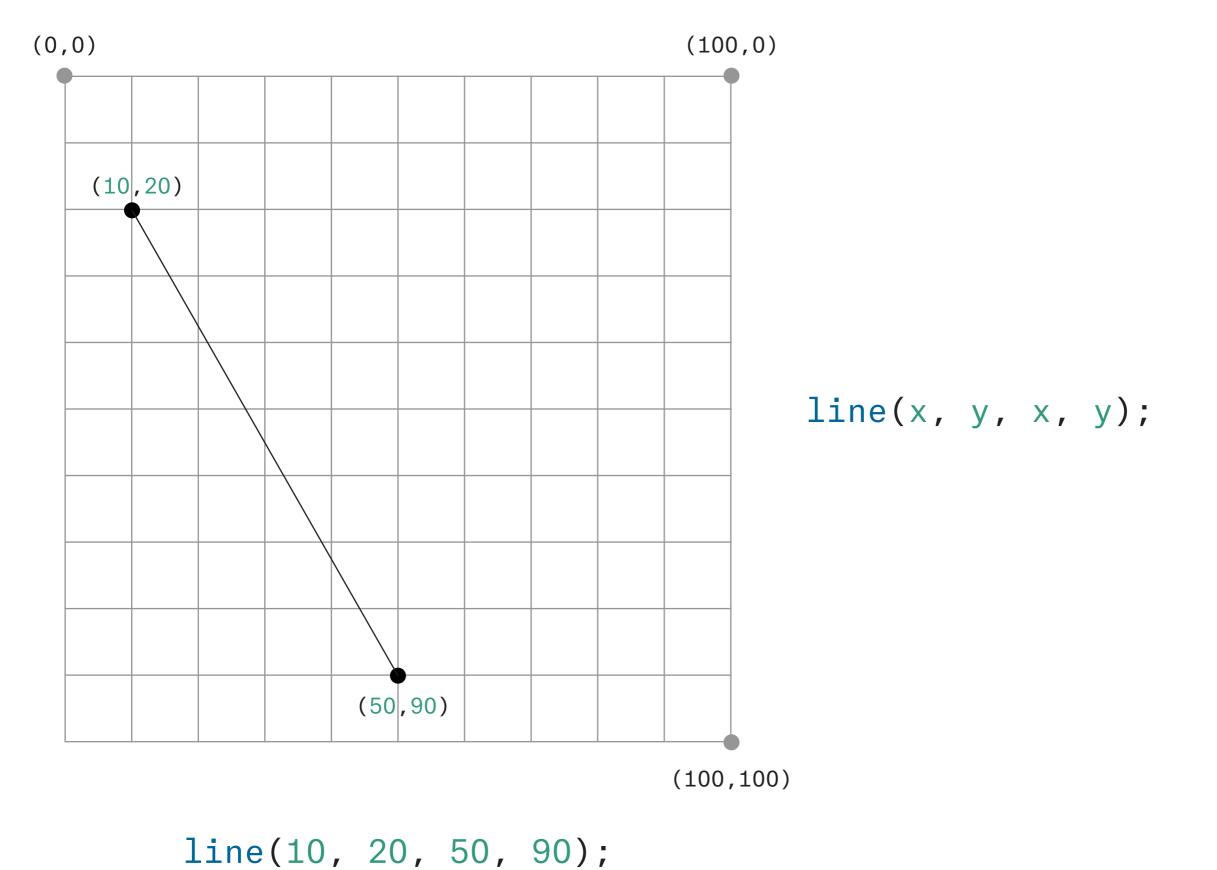
(100,100)

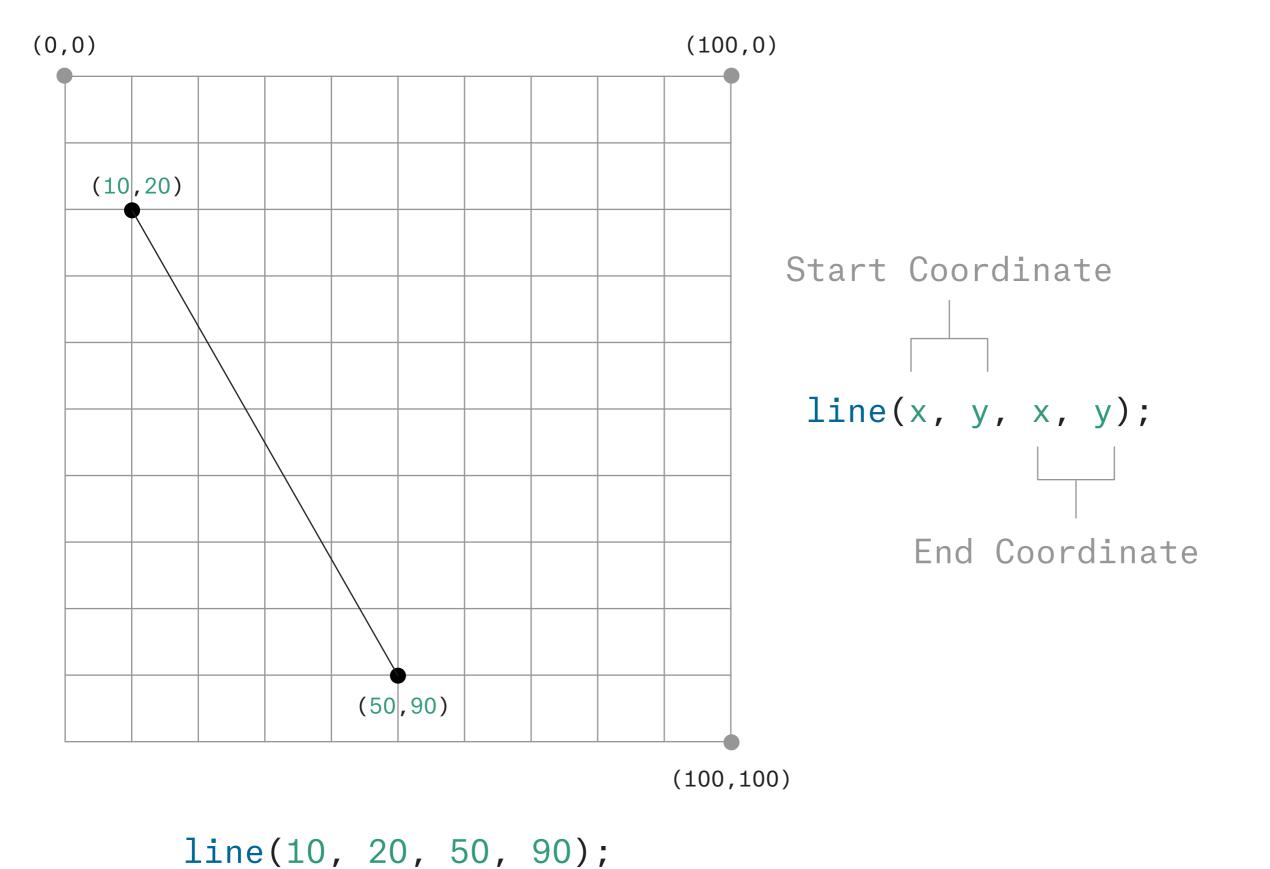


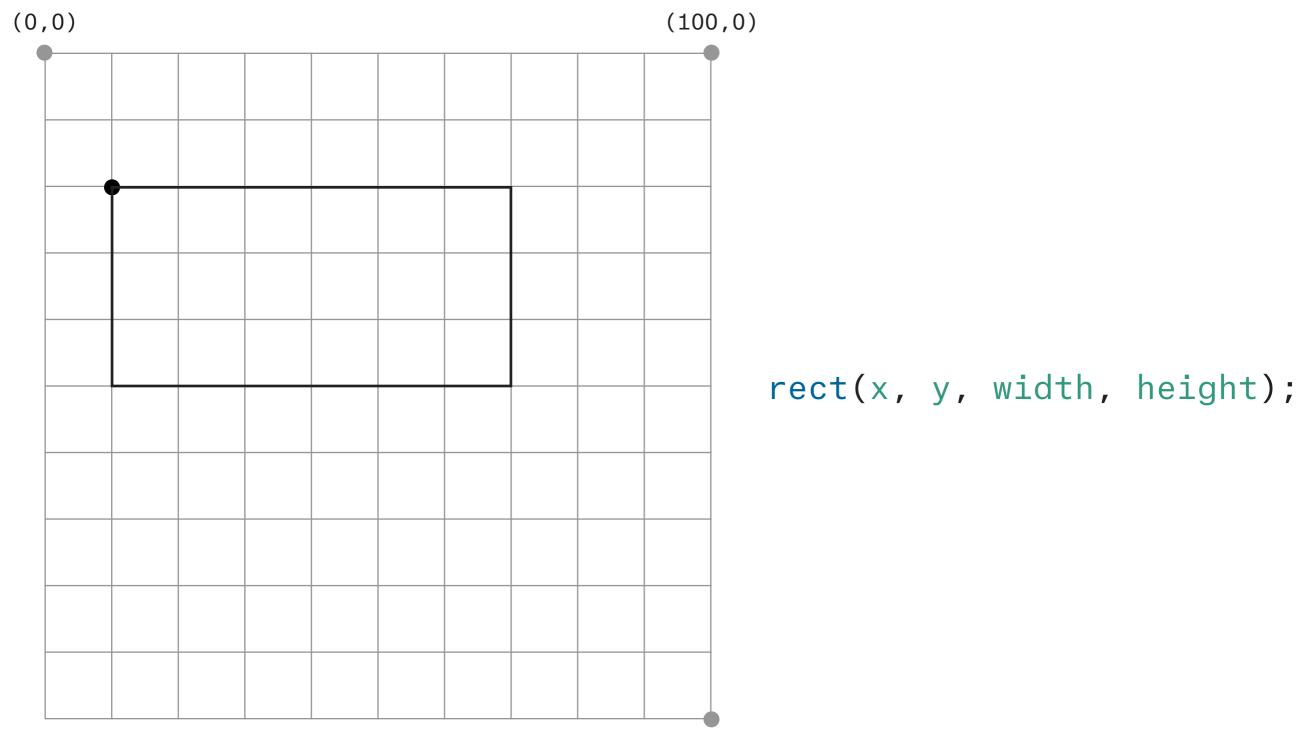
point(20, 60);



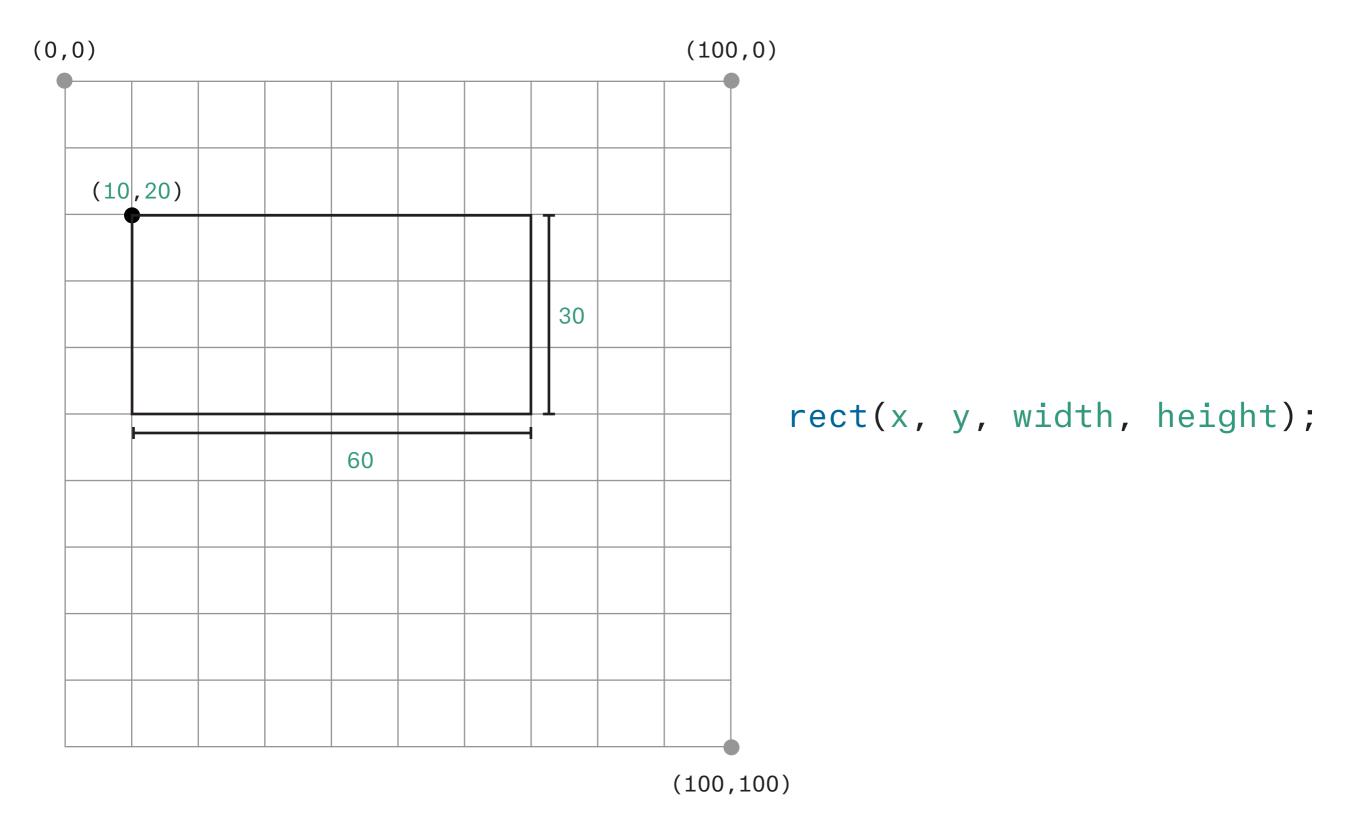




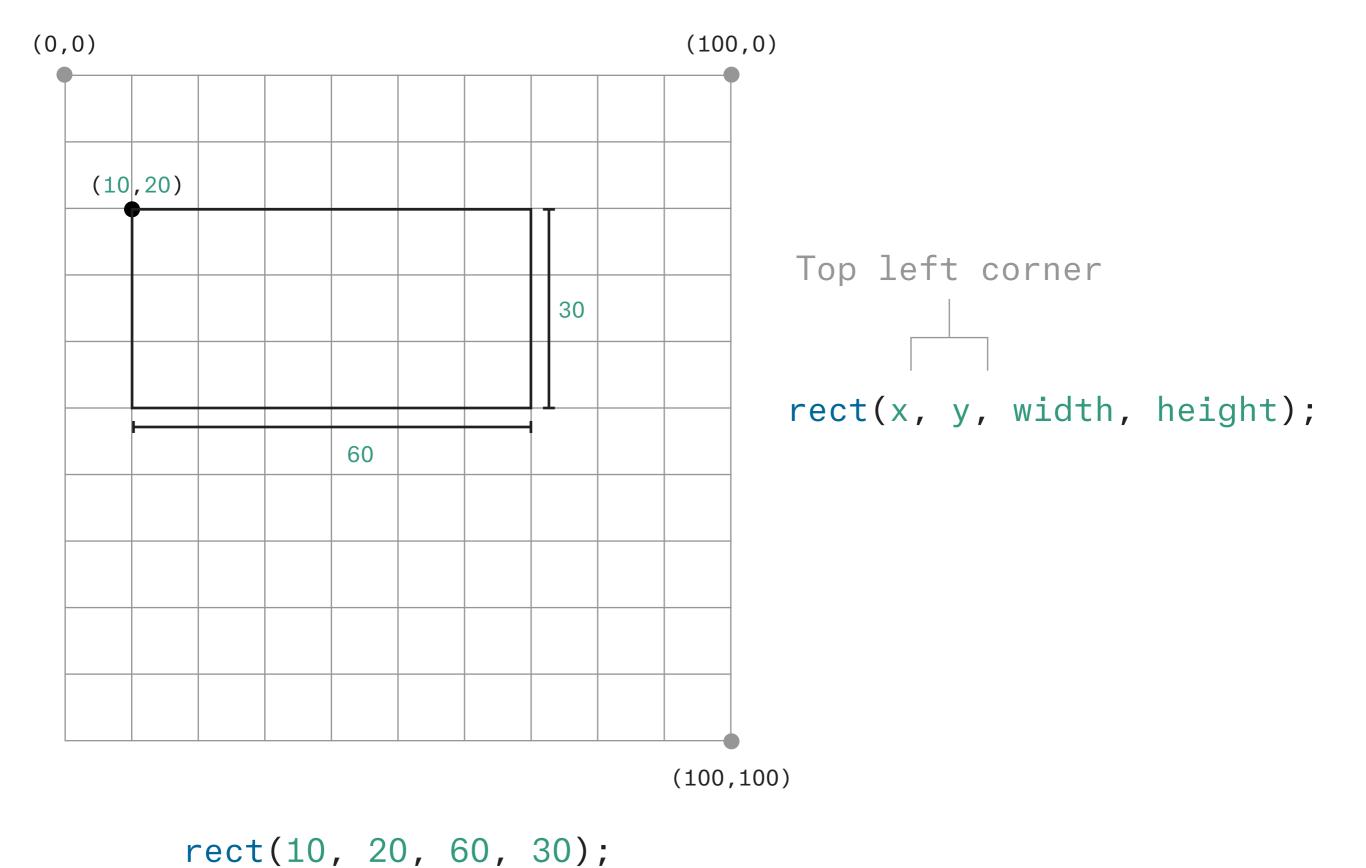


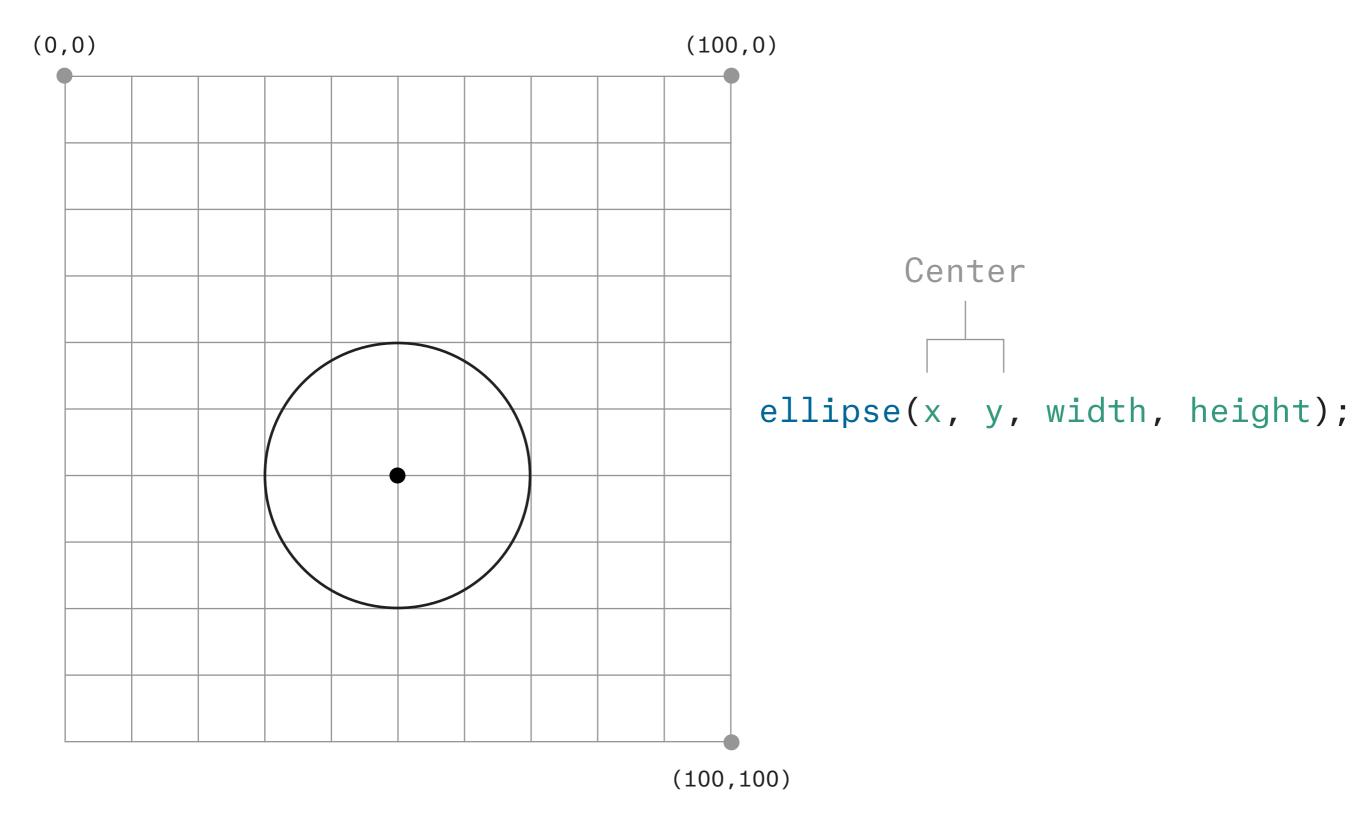


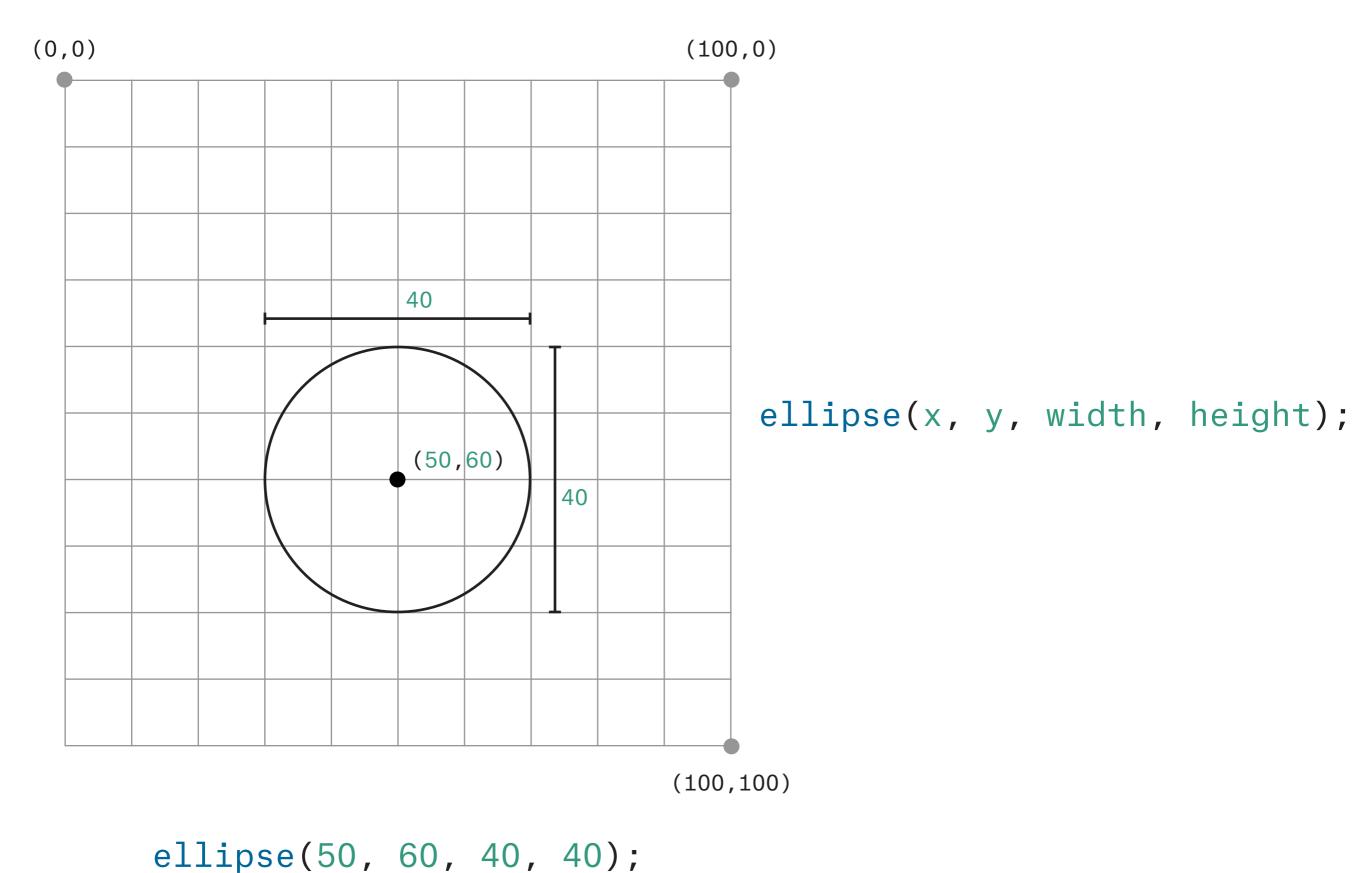
(100,100)

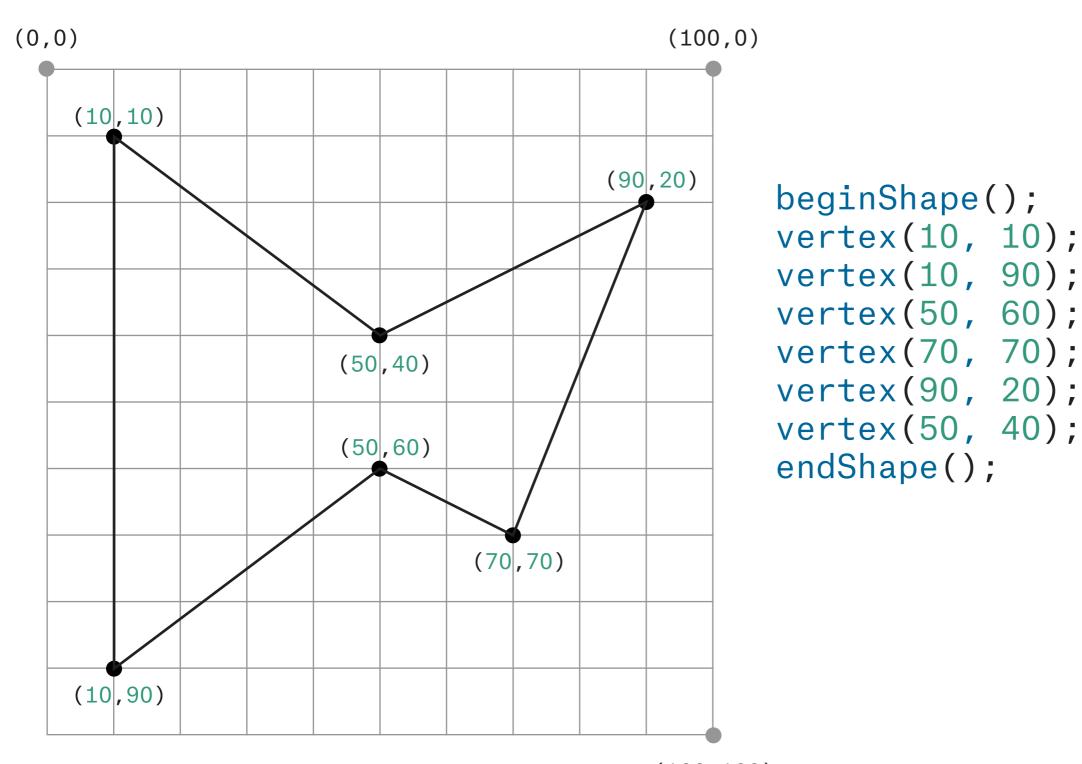


rect(10, 20, 60, 30);



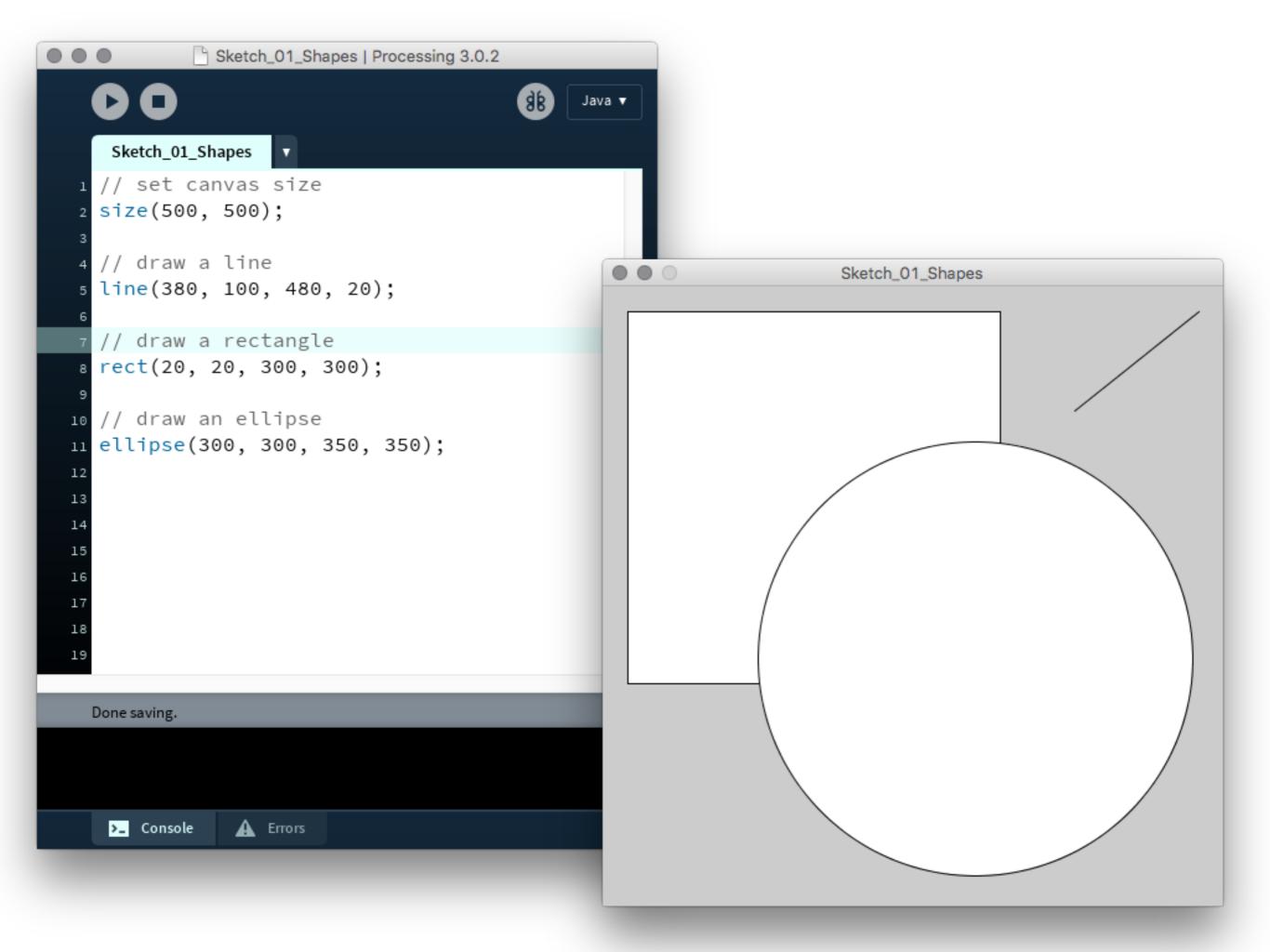






(100, 100)

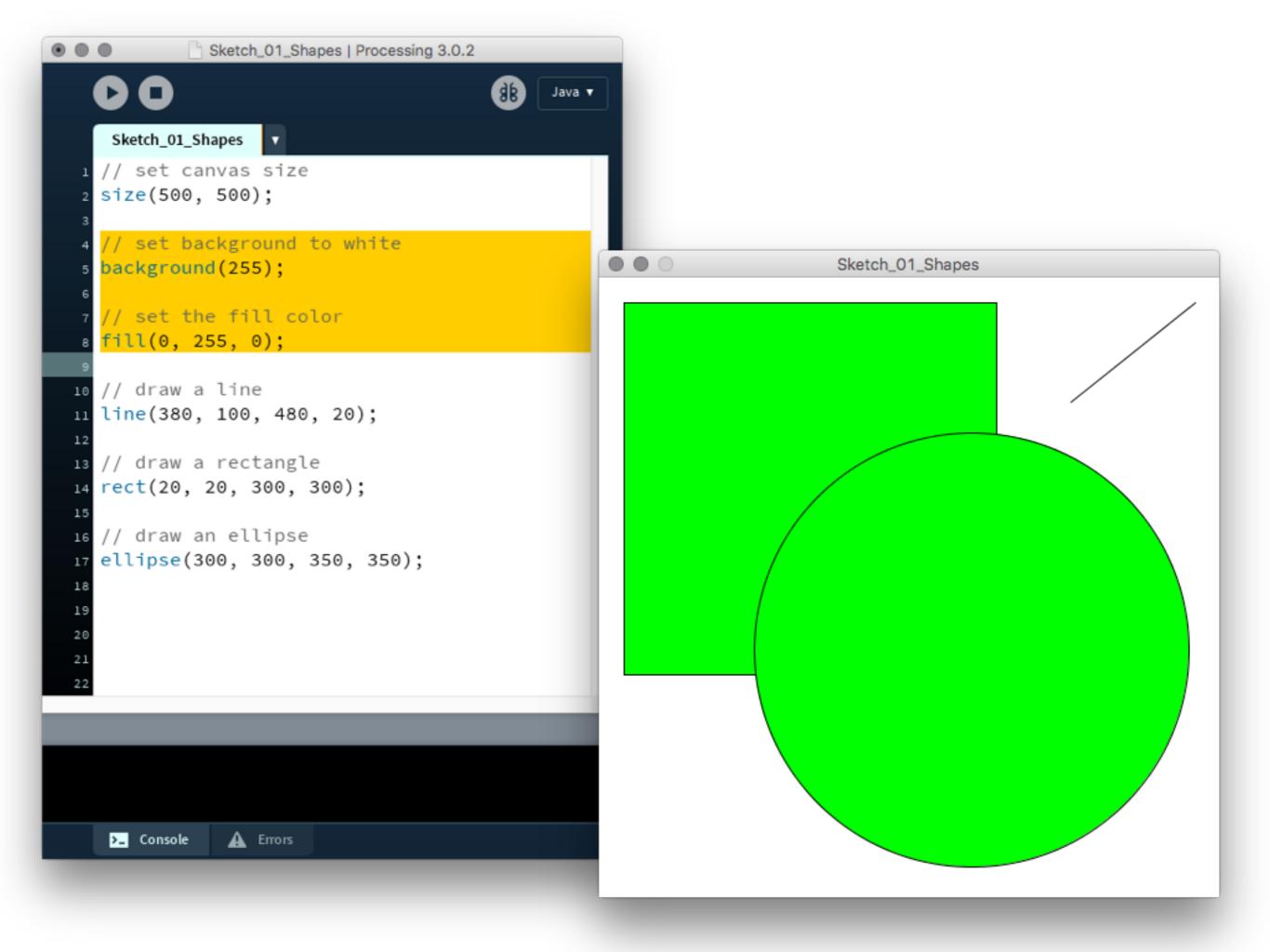
Color

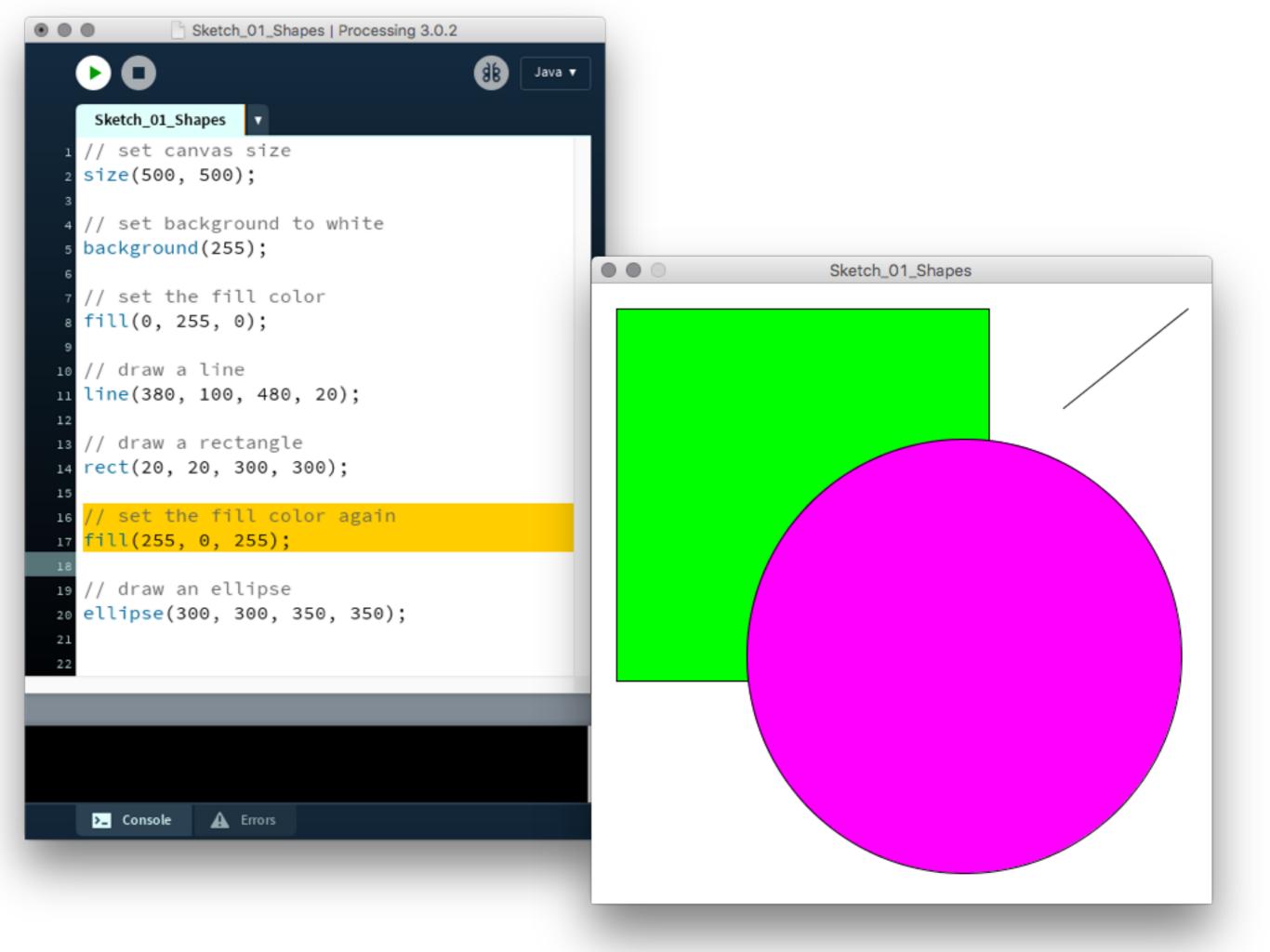


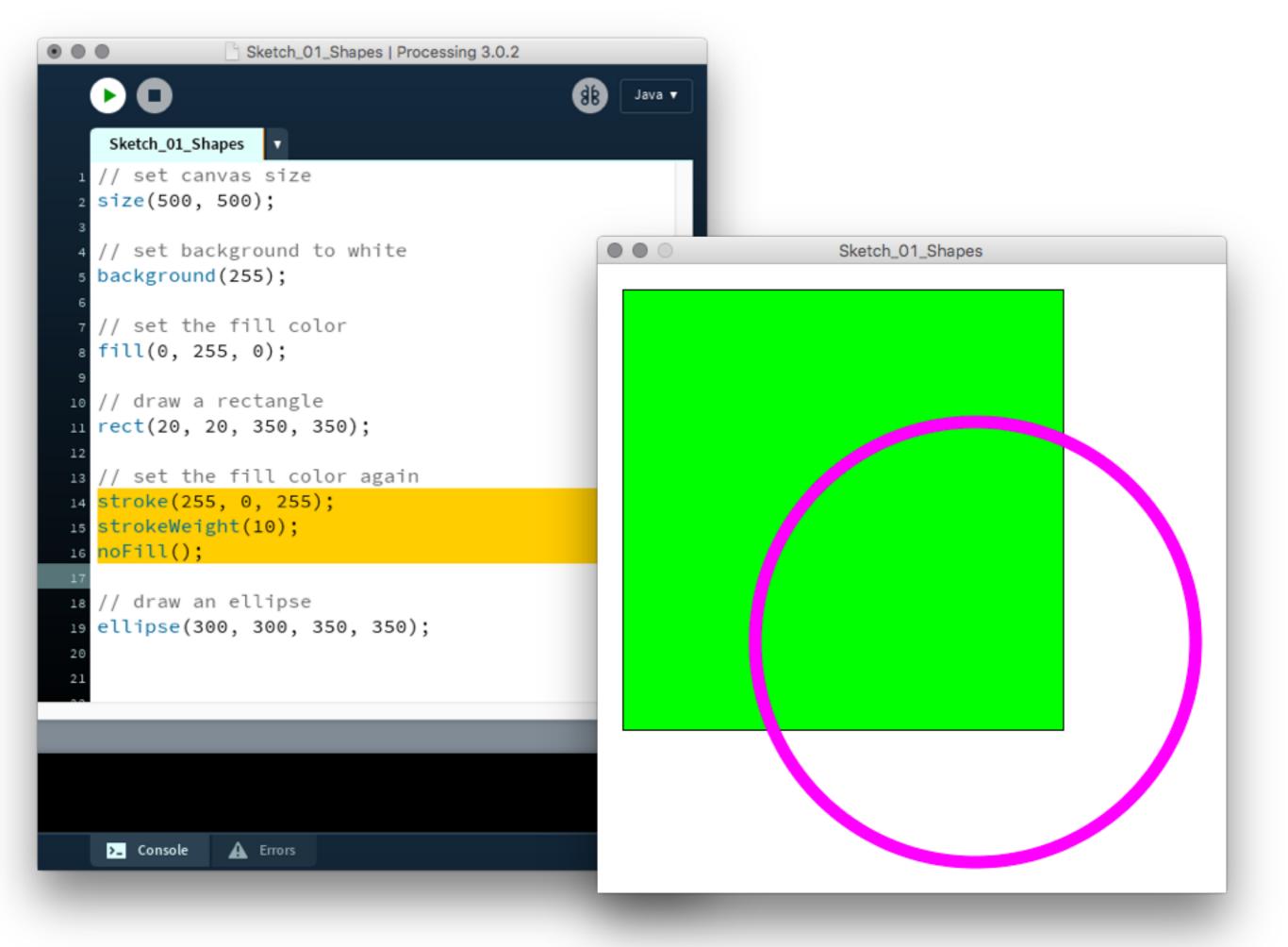
```
fill(255, 0, 0);
stroke(0, 0, 255);
strokeWeight(10);
```

```
fill(R, G, B);
                              fill(255, 0, 0);
                              fill(255, 0, 255);
fill(R, G, B, A);
                             fill(0, 0, 255, 128);
                              fill(0);
fill(V);
                              fill(128);
                              fill(220);
                              fill(0, 128);
fill(V, A);
```

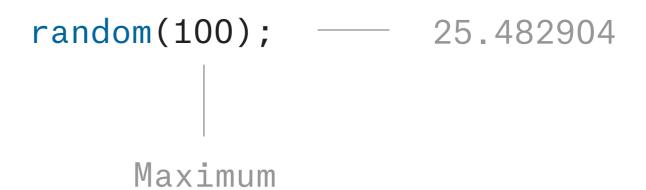
```
stroke(R, G, B);
                              stroke(255, 0, 0);
                              stroke(255, 0, 255);
                              stroke(0, 0, 255, 128);
stroke(R, G, B, A);
                              stroke(0);
stroke(V);
                              stroke(128);
                              stroke(220);
                              stroke(0, 128);
stroke(V, A);
```











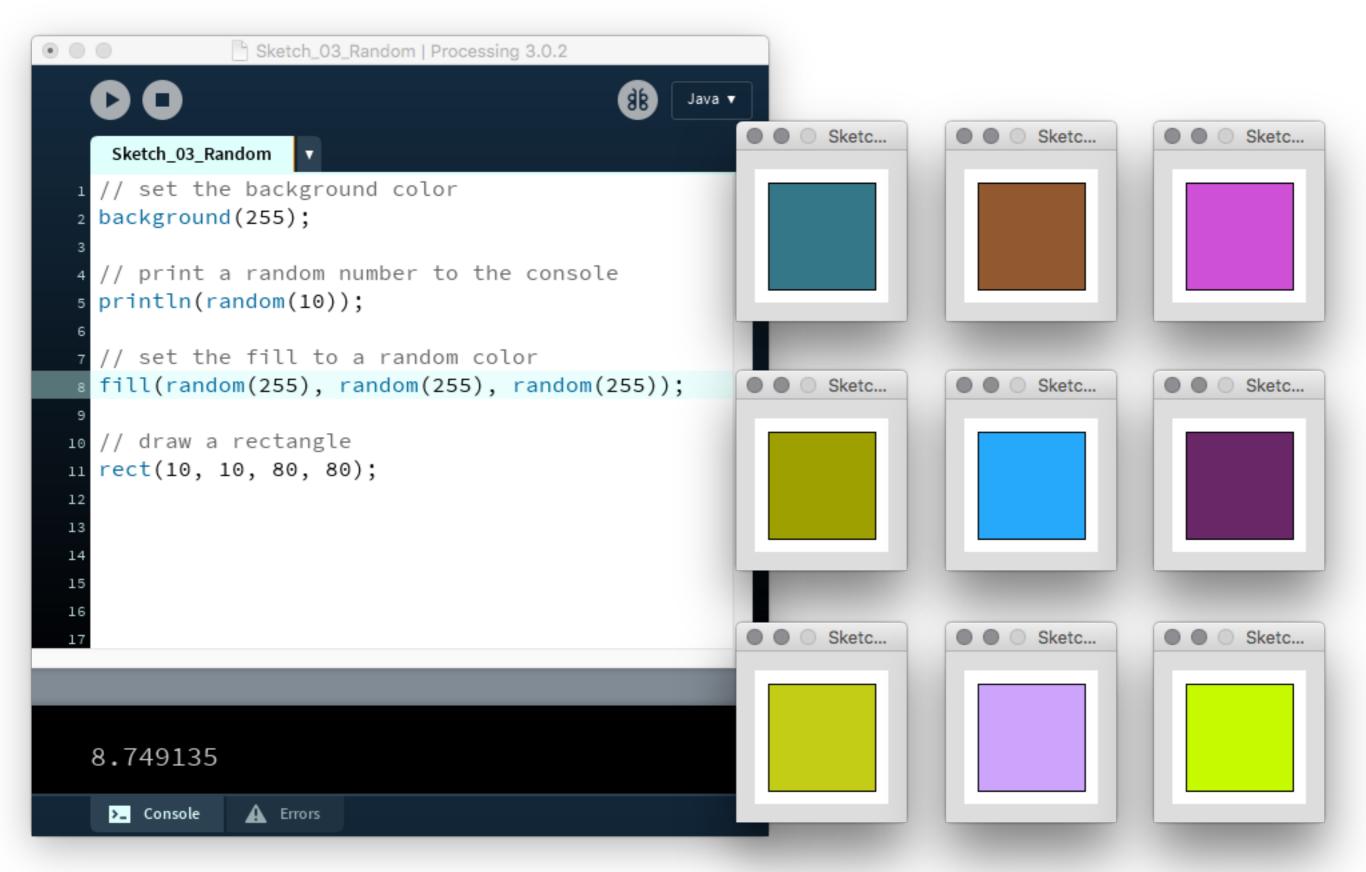
```
Minimum

random(50, 100); —— 62.026527

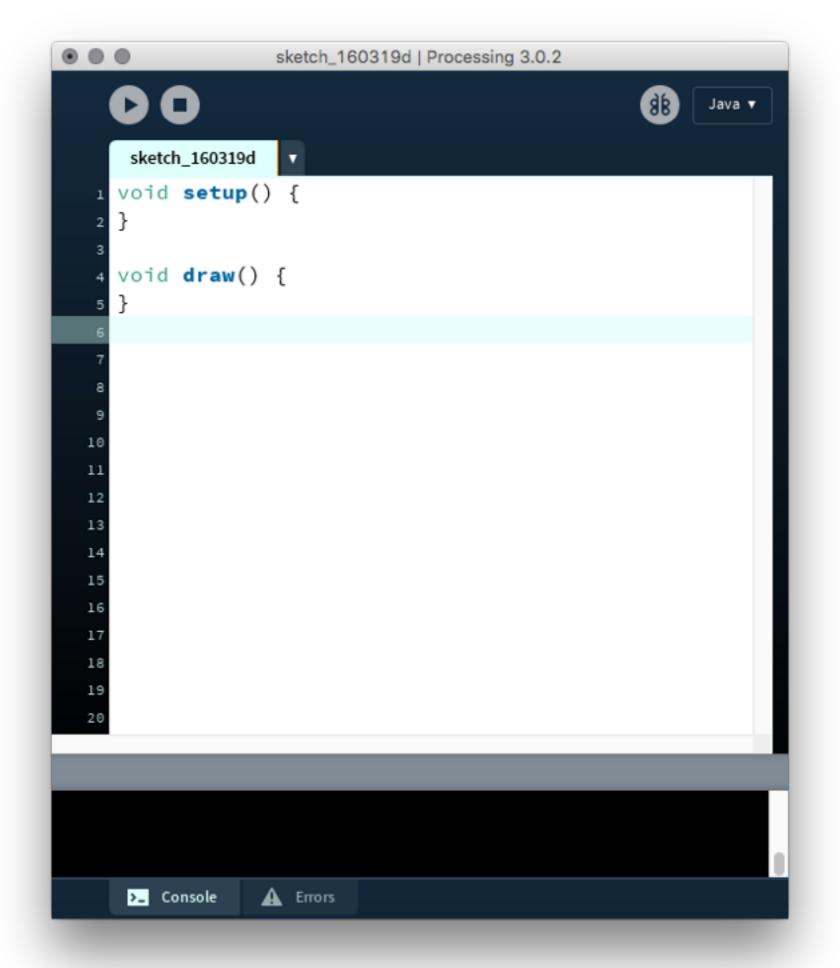
Maximum
```

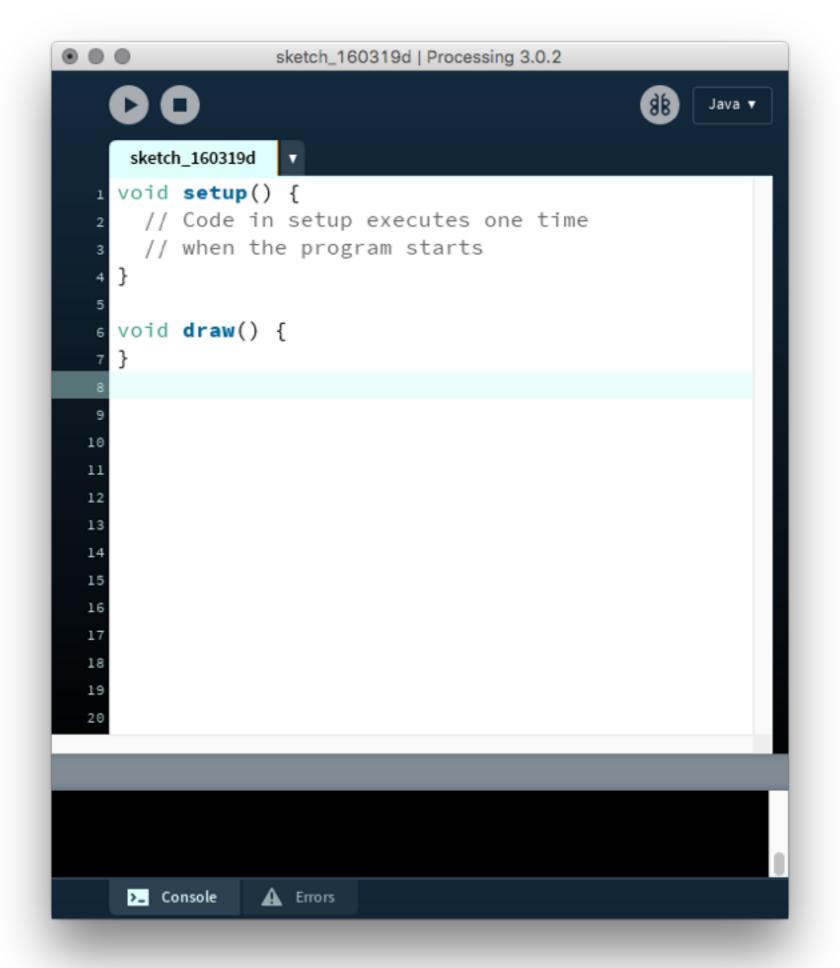
```
fill(255, 0, 0);

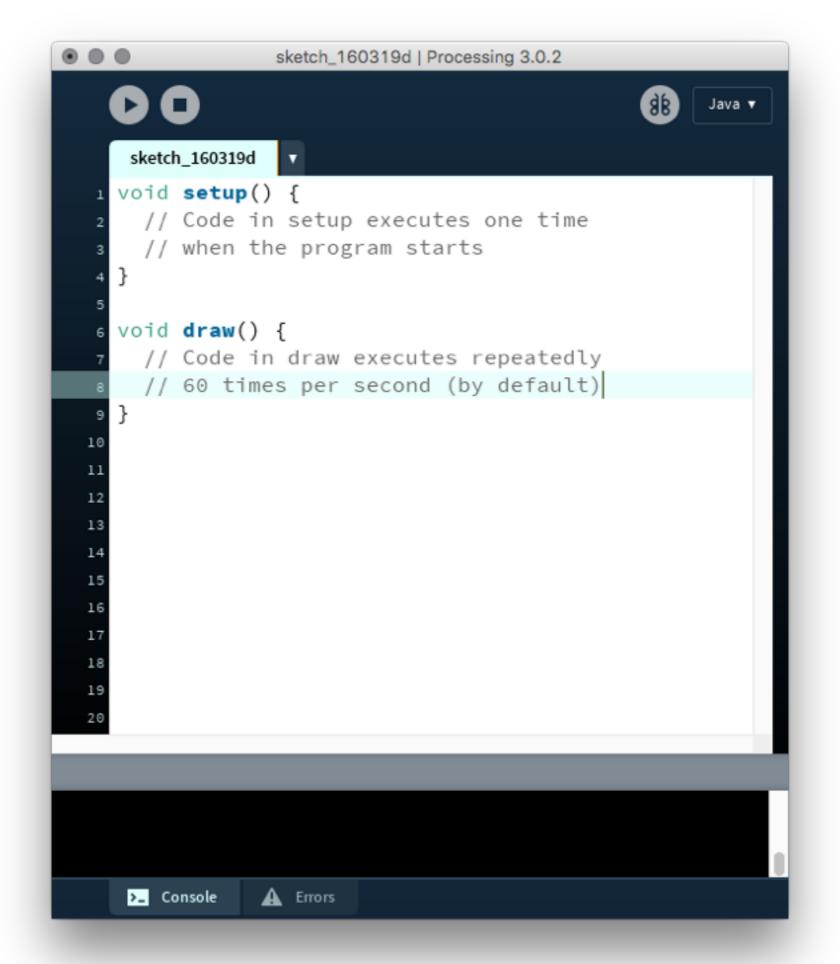
fill(random(255), random(255), random(255));
```



Setup and Draw

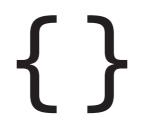






in setup?

in draw?



Start ——

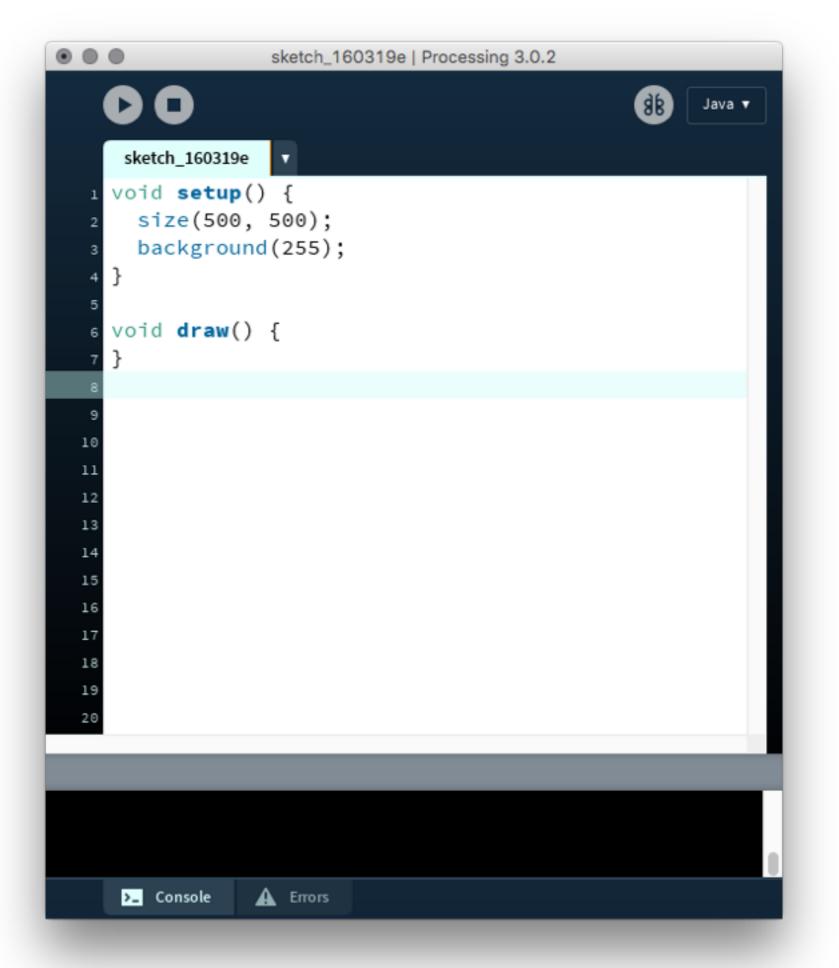
} — End

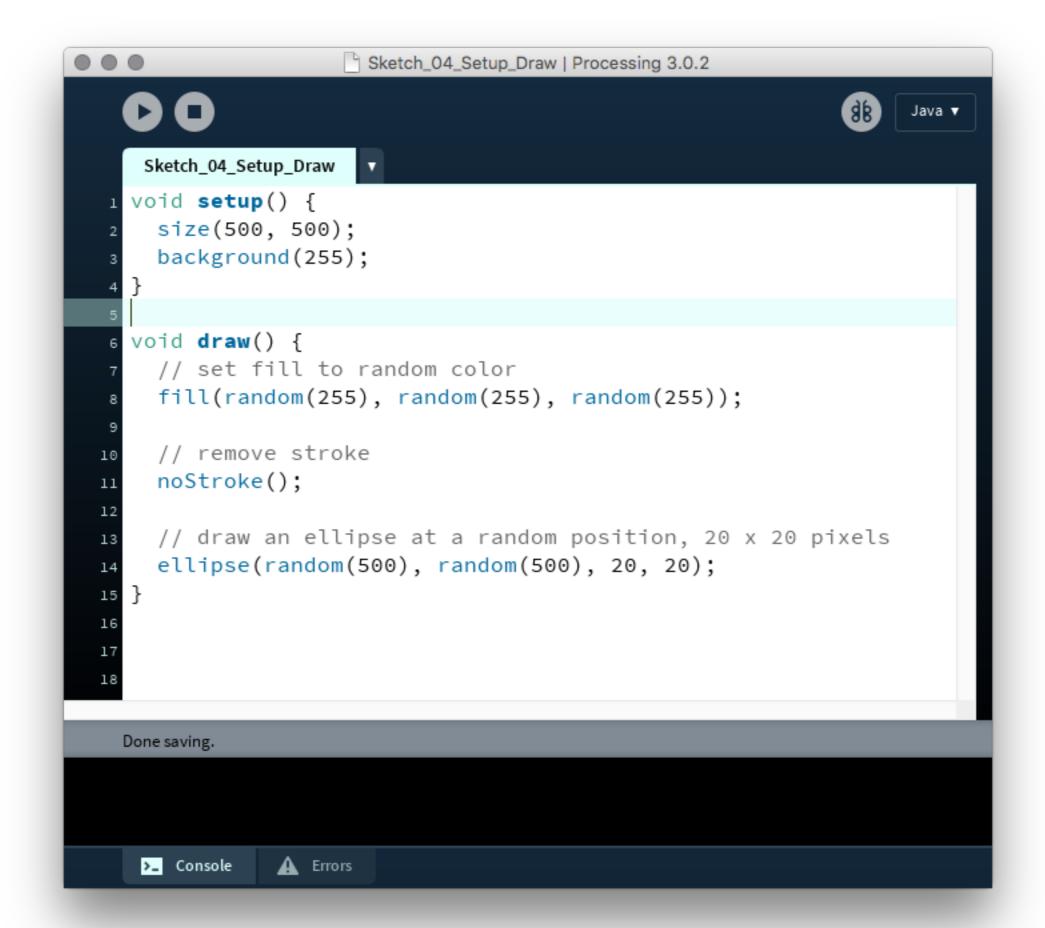
Open ———

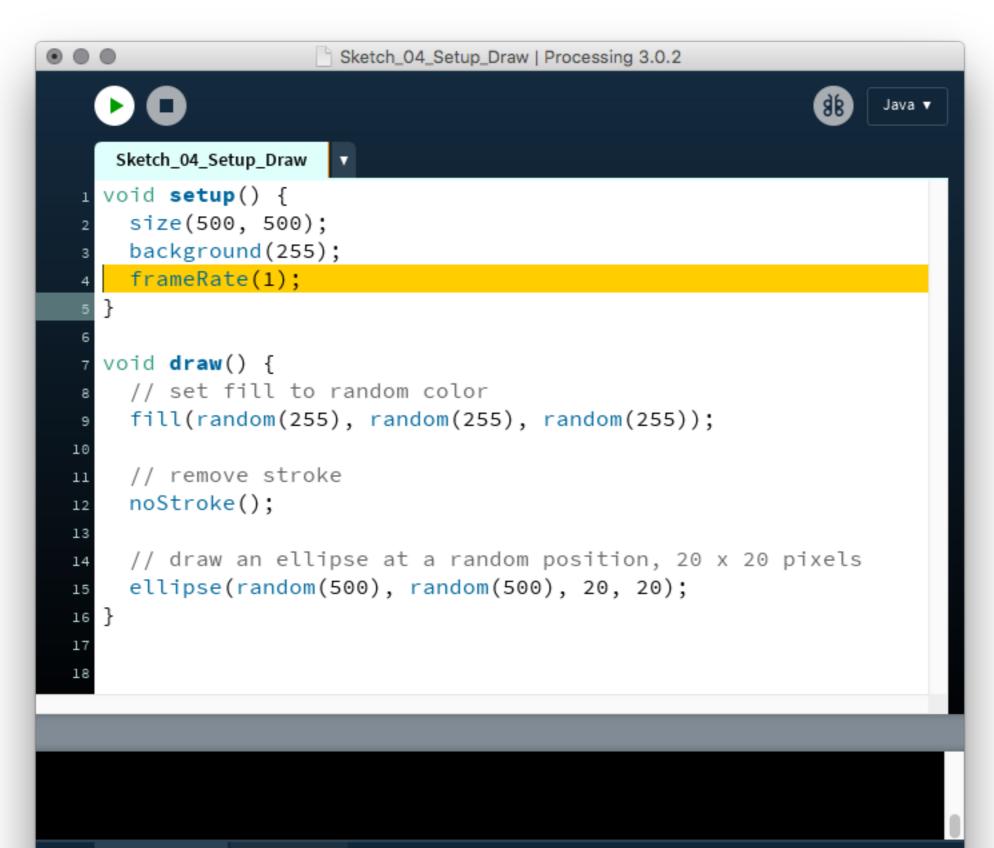
} —— Close

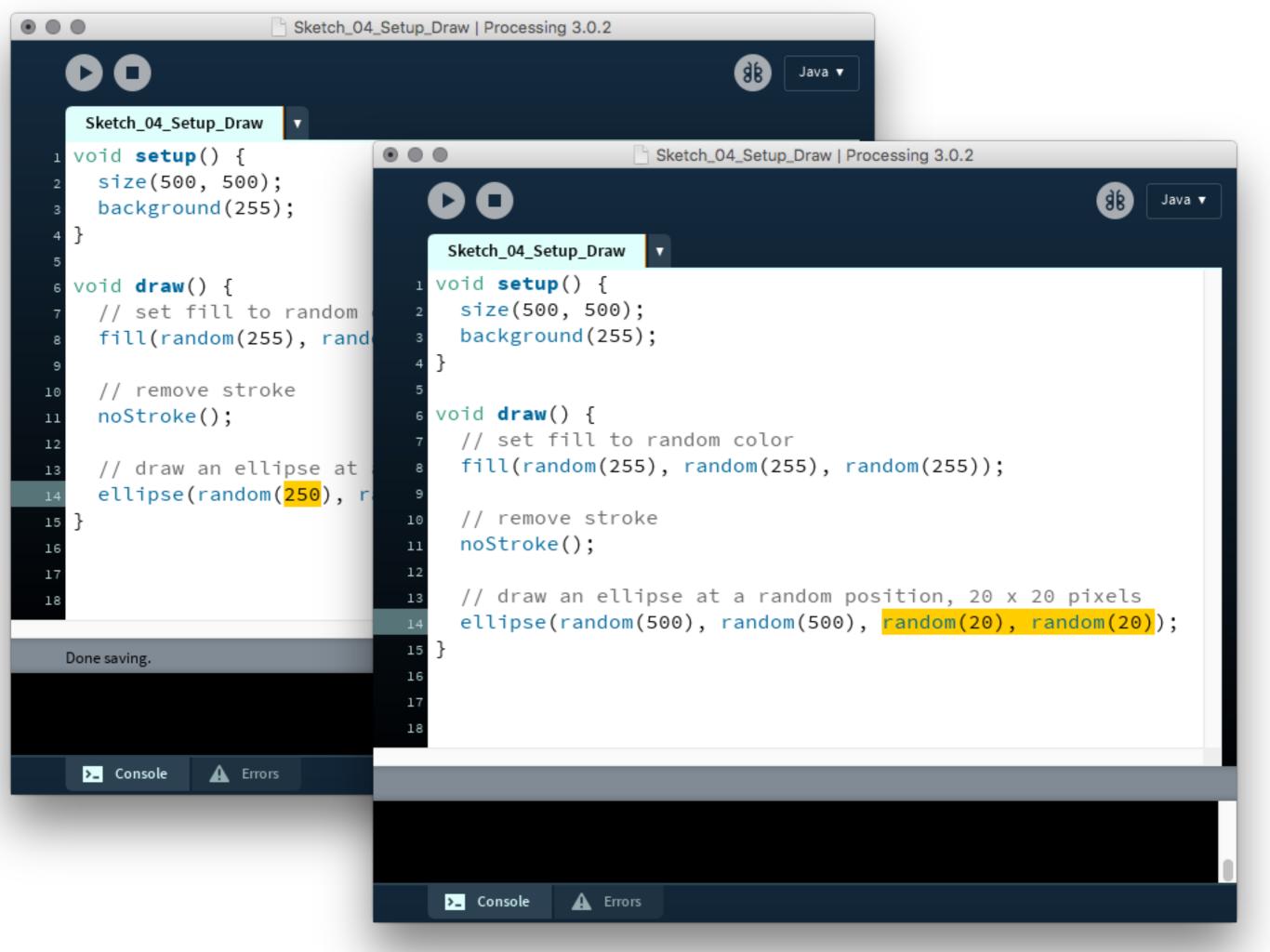
```
void setup() {
    // in setup
}

void draw() {
    // in draw
    \
    \
}
```









Output

