



Creative Coding

Typography

COD 207 - Week 08 Class →



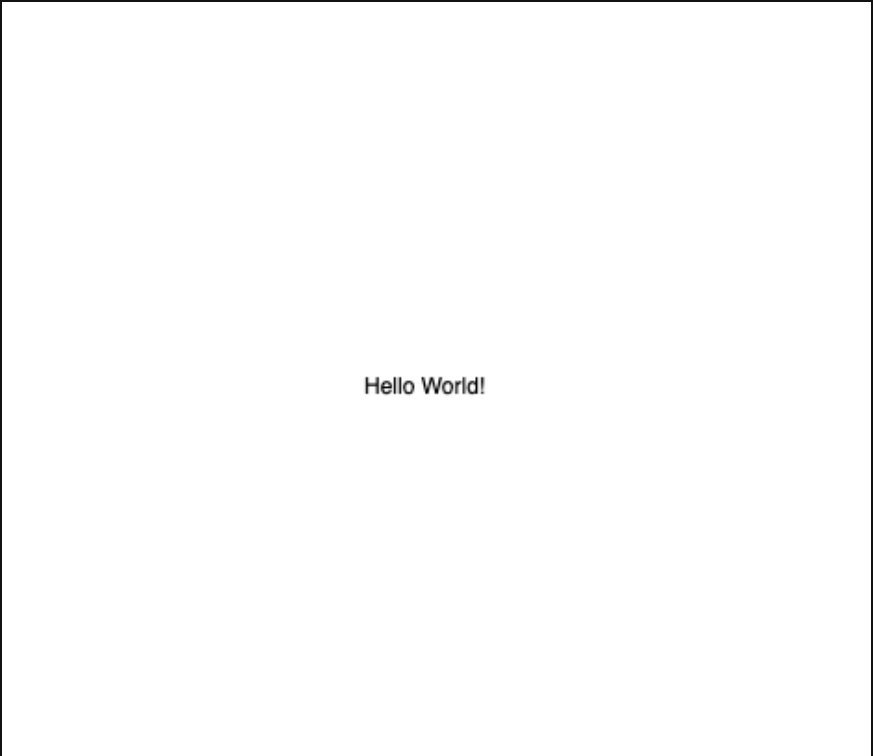
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Display Text on Canvas

text() function with default parameters

```
1  function setup() {  
2      createCanvas(600, 600);  
3      background(255);  
4  }  
5  
6  function draw() {  
7      background(255);  
8  
9      // set x and y position of the text  
10     var xt = width / 2;  
11     var yt = height / 2;  
12     // Call text function  
13     text("Hello World!", xt, yt);  
14 }
```



Hello World!

Custom style

textSize(), textAlign(), fill()

```
1  function setup() {  
2      createCanvas(600, 600);  
3      background(255);  
4  }  
5  
6  function draw() {  
7      background(255);  
8  
9      textSize(42); // Set text font-size  
10     textAlign(CENTER); // Align center  
11     fill(240,200,10); // Set color yellow  
12     text("Hello World!", width / 2, height / 2);  
13  
14     textSize(14); // Sub-header font-size  
15     textAlign(LEFT); // align to left  
16     fill(100); // fill with gray color  
17     text("This is sub title", 190, height / 2 + 15);  
18 }
```



Hello World!
This is sub title

Loading Custom Fonts

loadFont(), textFont()

```

5  function preload() {
6      fontAkira = loadFont("Akira Expanded Demo.otf"); // :
7  }
8
9  function setup() {
10     createCanvas(800, 800);
11 }
12
13 function draw() {
14     background(248, 249, 231);
15
16     textFont(fontAkira); // set text font defined and lo
17     textSize(122); // set font size
18     textAlign(CENTER); // set font alignment
19
20     for (let i = 0; i < 7; i++) { // draw 7 lines of text
21         let x = width * 0.5; // set x position of each text
22         let y = 180 + 88 * i; // set y position of each text
23         let op = map(i, 0, 7, 40, 255); // set the opacity
24
25         fill(23, 9, 6, op); // set color same but change op
26         text("AKIRA", x, y); // write text and set position
27     }
28 }

```

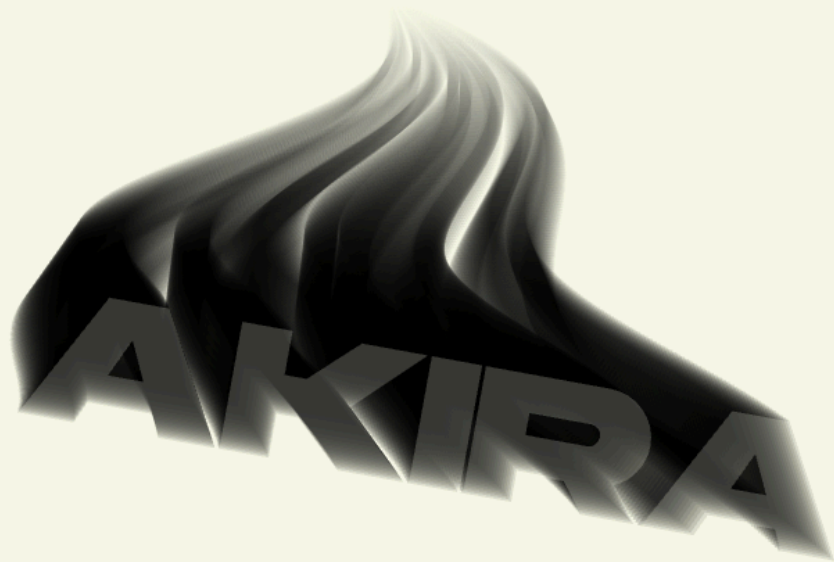


AKIRA
AKIRA
AKIRA
AKIRA
AKIRA
AKIRA
AKIRA



BREAK

10 mins.



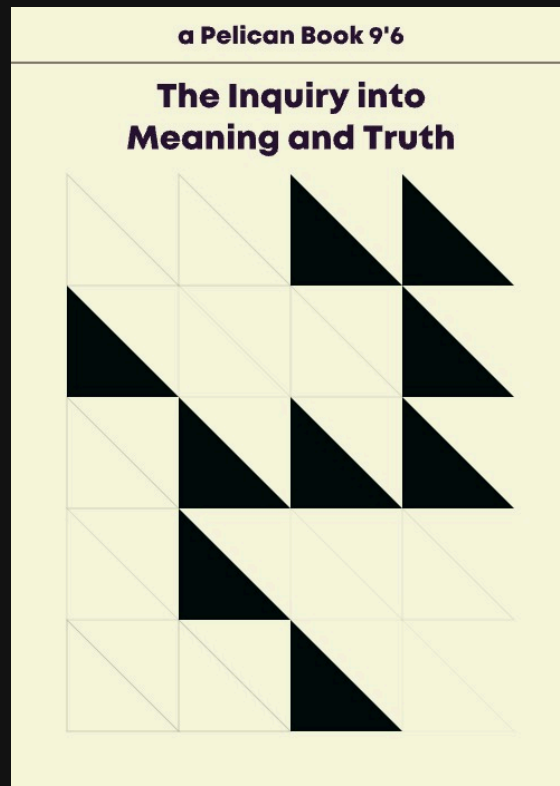
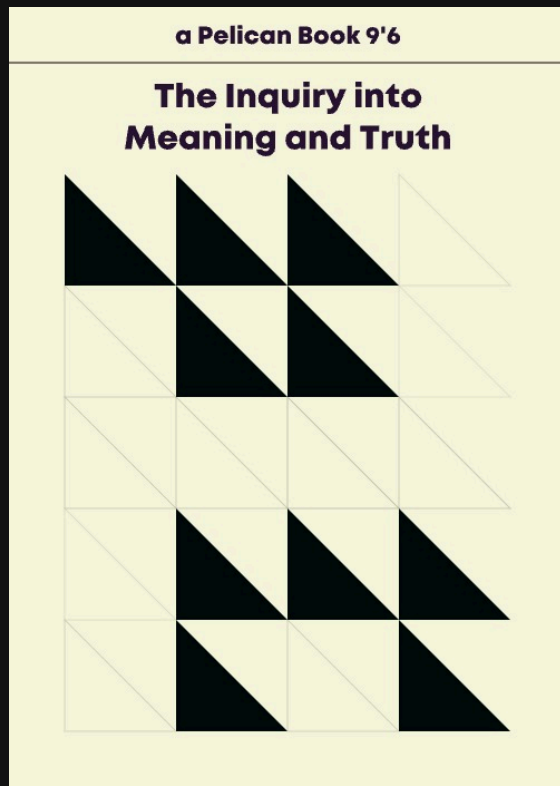
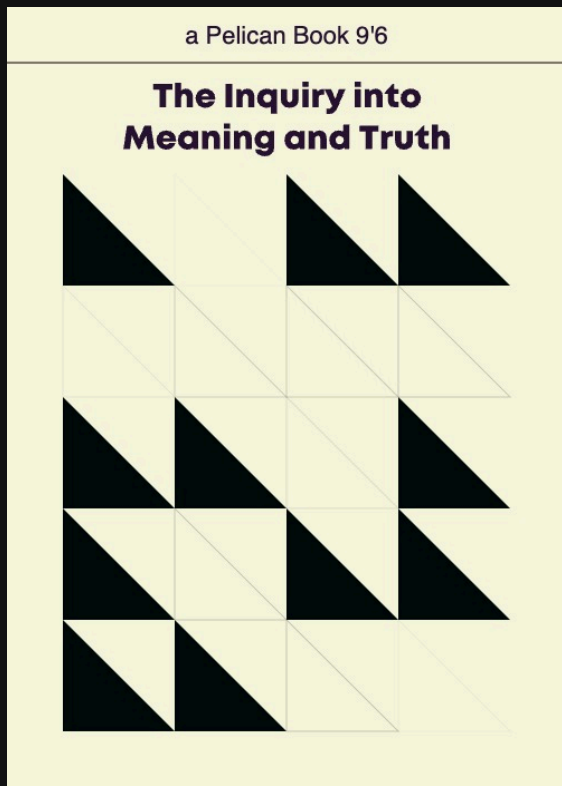
Examples

Visit the following links and try to run by yourself. Edit the code. Tinker around.

1. Animation text lines, [link](#)
2. Letter control point animation, [link](#)
3. Tracing text animation, [link](#)

Computational Book Cover

Link to source code [🔗](#)



Assignments

1. Create a generative poster design.
2. Refer to the [pinterest repository](#)
3. Use randomness to create variations of your design. You can randomize colors, fonts, size of objects, position of objects, and so on... **3 0** PTS
4. Upload 3 different variations as jpg file from the same code. **1 0** PTS
5. Comments in the code **1 0** PTS
6. Computational Thinking (CT) Analysis **2 0** PTS
7. Submit 3 different variations of your sketch as jpg. Do not submit 3 different code. **2 0** PTS
8. 🚨 Submit the openprocessing link. **5** PTS
9. 🚨 Submit the sketch source code as zip file as well. **5** PTS