

Week 2 : Program a poster

Code :

`<!-- So this assignment was really fun. I learnt how to morph text from a codepen demo and then implemented that into my website. For the bg, I made a responsive canvas which works on 3 screens.`

`The responsiveness is not that good but it works. I am still fixing the code and will be using this for other things as well`

`Sources: Codepen, P5js library, Youtube, Chatgpt, Github`

`Used circles, squares and triangles to form the image`

`On every mouse click, the colours change`

`-->`

`<!DOCTYPE html>`

`<html lang="en">`

`<head>`

`<meta charset="UTF-8">`

`<meta name="viewport" content="width=device-width, initial-scale=1.0">`

`<title>Week 2</title>`

`<!-- Google Fonts: Raleway -->`

`<link`

`href="https://fonts.googleapis.com/css2?family=Raleway:wght@400;700&display=swap" rel="stylesheet">`

`<style>`

`@font-face {`

`font-family: 'TheFont';`

`src:`

`url("https://garet.typeforward.com/assets/fonts/shared/TFMixVF.woff2")`
 `format('woff2');`

`}`

`body, html {`

`margin: 0;`

`padding: 0;`

`height: 100vh;`

`width: 100vw;`

`display: flex;`

`align-items: center;`

`justify-content: center;`

`overflow: hidden;`

`font-family: 'Raleway', sans-serif;`

`transition: background-color 0.5s ease;`

`}`

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```
/* Fullscreen canvas */
#sketch-holder {
  position: absolute;
  top: 0;
  left: 0;
  width: 100vw;
  height: 100vh;
  z-index: 0;
}

/* Centered Text with breathing animation */
.text-container {
  position: relative;
  z-index: 2;
  display: flex;
  justify-content: center;
  align-items: center;
  text-align: center;
  width: 100vw;
  height: 100vh;
}

.breathe-animation span {
  font-family: 'TheFont';
  font-size: clamp(8vw, 12vw, 18vw); /* Responsive font size for all
screens */
  text-align: center;
  animation: letter-breathe 3s ease-in-out infinite;
  color: white; /* Default text color */
  transition: color 0.5s ease;
}

/* Breathing animation for text */
@keyframes letter-breathe {
  from, to {
    font-variation-settings: 'wght' 100;
  }
  50% {
    font-variation-settings: 'wght' 900;
  }
}
</style>
</head>

<body id="body" onclick="nextTheme()">
  <!-- Fullscreen canvas holder -->
  <div id="sketch-holder"></div>

  <!-- Centered Text Section -->
```

Srujana Golla : Creative code : Assignment 2

```
<div class="text-container">
  <div class="breathe-animation">
    <span>you'rE art</span>
  </div>
</div>

<script
src="https://cdnjs.cloudflare.com/ajax/libs/p5.js/1.4.0/p5.js"></script>
<script>
  let capture;
  let currentThemeIndex = 0; // Track current theme

  //colour pairings for every interaction

  const themes = [
    { background: '#fce59f', foreground: '#14a0ad', textColor: '#fc8fac' },
    { background: '#fcf2f0', foreground: '#fc8fac', textColor: '#14a0ad' },
    { background: '#e3fca7', foreground: '#88a2ff', textColor: '#253a82' },
    { background: '#8fddd0', foreground: '#000000', textColor: '#fc8fac' }
  ];

  function setup() {
    let canvas = createCanvas(windowWidth, windowHeight);
    canvas.parent('sketch-holder');

    capture = createCapture({
      audio: false,
      video: {
        width: windowWidth,
        height: windowHeight
      }
    }, function() {
      console.log('capture ready.');
```

```
const darkness = (255 - capture.pixels[i]) / 255;
const size = stepSize * darkness;

fill(themes[currentThemeIndex].foreground);

if (currentThemeIndex === 0) {
  ellipse(x, y, size, size);
} else if (currentThemeIndex === 1) {
  rect(x, y, size, size);
} else if (currentThemeIndex === 2) {
  triangle(
    x, y - size / 2,
    x - size / 2, y + size / 2,
    x + size / 2, y + size / 2
  );
} else if (currentThemeIndex === 3) {
  ellipse(x, y, size, size);
}
}
}

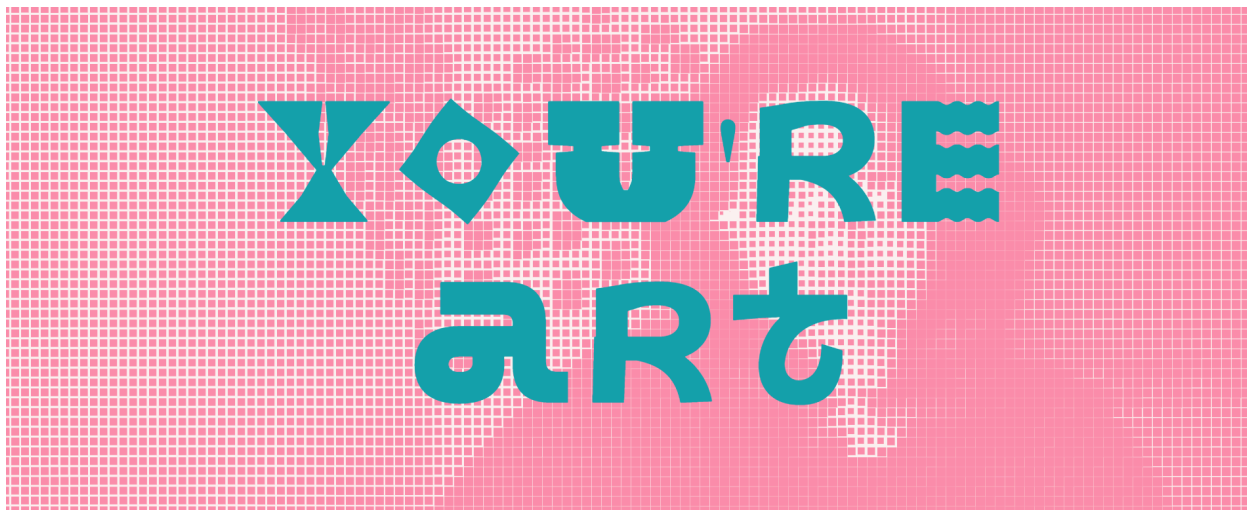
function nextTheme() {
  currentThemeIndex = (currentThemeIndex + 1) % themes.length;
  applyTheme(currentThemeIndex);
}

function applyTheme(themeIndex) {
  document.getElementById('body').style.backgroundColor =
themes[themeIndex].background;
  document.querySelector('.breathe-animation span').style.color =
themes[themeIndex].textColor;
}

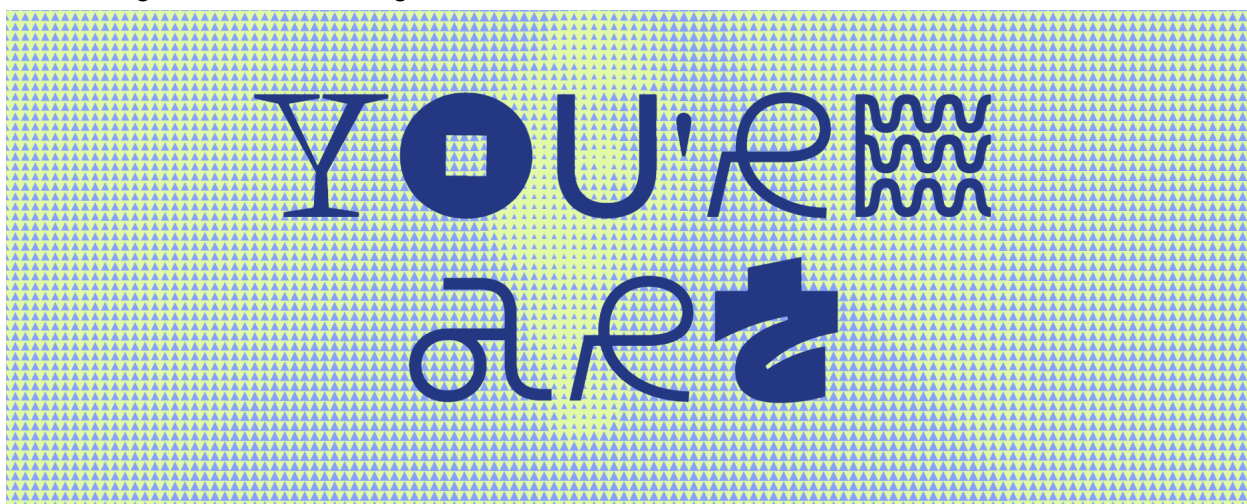
function windowResized() {
  resizeCanvas(windowWidth, windowHeight);
}
</script>
</body>
</html>
```

Code output :

Using squares to form the image



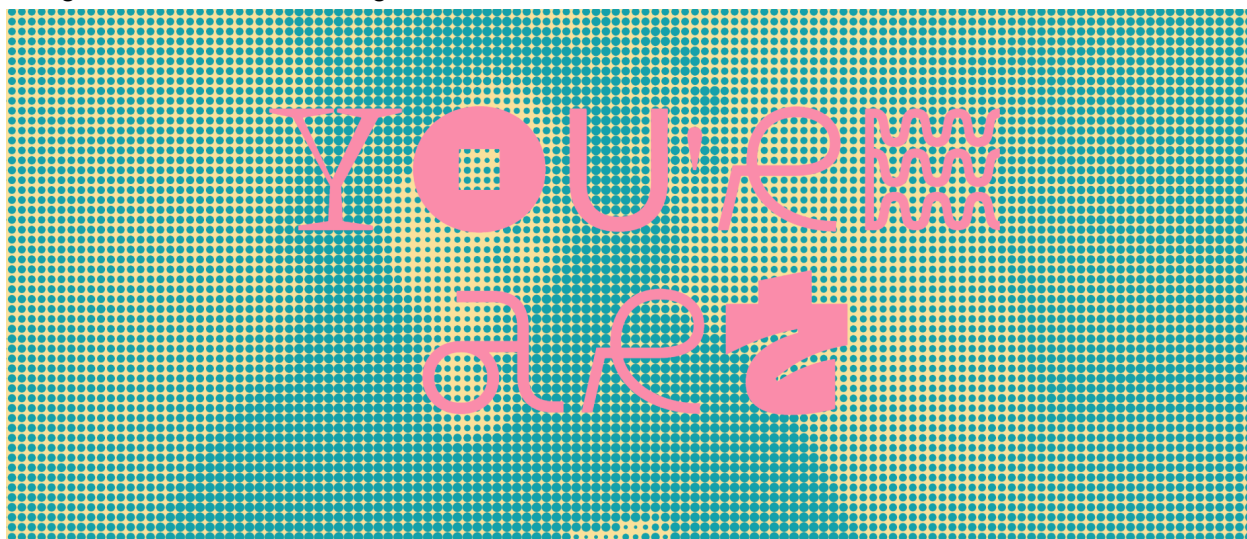
Used triangles to form the image



Using circles to form the image



Using circles to form the image :



For more details about the assignment, please check out my Github :

<https://github.com/sruju003/CreativeCode>