Examples:

16. CSS Variables:

Example 1:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
   :root {
     --main-color: #3498db;
   }

   body {
     background-color: var(--main-color);
     color: white;
   }
  </style>
  <title>CSS Variables Example</title>
</head>
<body>
  <h1>Hello, CSS Variables!</h1>
</body>
</html>
```

Example 2:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
   :root {
     --text-color: #333;
   }

   body {
```

```html
    color: var(--text-color);
    font-size: 16px;
  }

  h1 {
    color: var(--text-color);
  }
  </style>
  <title>CSS Variables Example 2</title>
</head>
<body>
  <h1>Responsive Typography with CSS Variables</h1>
</body>
</html>
```

17. Custom Properties:

Example 1:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
   :root {
     --main-color: #3498db;
   }

   body {
     background-color: var(--main-color);
     color: white;
   }
  </style>
  <title>Custom Properties Example</title>
</head>
<body>
  <h1>Hello, Custom Properties!</h1>
</body>
</html>
```

Example 2:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    :root {
      --border-radius: 8px;
    }

    .box {
      width: 200px;
      height: 200px;
      background-color: #3498db;
      border-radius: var(--border-radius);
    }
  </style>
  <title>Custom Properties Example 2</title>
</head>
<body>
  <div class="box"></div>
</body>
</html>
```

18. Responsive Typography:

Example 1:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    body {
      font-size: 16px;
    }

    @media (min-width: 768px) {
```

```
    body {
      font-size: 18px;
    }
  }
  </style>
  <title>Responsive Typography Example</title>
</head>
<body>
  <p>This is some text with responsive typography.</p>
</body>
</html>
```

Example 2:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
   h1 {
     font-size: 24px;
   }

   @media (min-width: 768px) {
    h1 {
      font-size: 36px;
    }
   }
  </style>
  <title>Responsive Typography Example 2</title>
</head>
<body>
  <h1>This is a heading with responsive typography.</h1>
</body>
</html>
```

19. Transparency and Opacity:

Example 1:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    .transparent-box {
      background-color: #3498db;
      opacity: 0.7;
      padding: 20px;
    }
  </style>
  <title>Transparency and Opacity Example</title>
</head>
<body>
  <div class="transparent-box">
    <p>This box has transparency applied.</p>
  </div>
</body>
</html>
```

Example 2:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    .overlay {
      position: fixed;
      top: 0;
      left: 0;
      width: 100%;
      height: 100%;
      background-color: rgba(52, 152, 219, 0.5);
      z-index: 1;
    }
  </style>
  <title>Transparency and Opacity Example 2</title>
</head>
```

```
<body>
  <div class="overlay"></div>
  <h1>This is content with a transparent overlay.</h1>
</body>
</html>
```

20. Filters:

Example 1:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    img {
      filter: grayscale(100%);
    }
  </style>
  <title>Filters Example</title>
</head>
<body>
  <img src="example-image.jpg" alt="Grayscale Image">
</body>
</html>
```

Example 2:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    .blurry-text {
      font-size: 36px;
      color: white;
      background-image: url('background-image.jpg');
      background-size: cover;
```

```
      filter: blur(5px);
      padding: 20px;
      text-align: center;
    }
  </style>
  <title>Filters Example 2</title>
</head>
<body>
  <div class="blurry-text">Blurred Text on Background</div>
</body>
</html>
```