

## Examples:

### ### 13. Pseudo-classes and Pseudo-elements:

#### #### Example 1 - Pseudo-class:

```
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    /* Style the links differently on hover using a pseudo-class */
    a:hover {
      color: red;
      text-decoration: underline;
    }
  </style>
  <title>Pseudo-class Example</title>
</head>
<body>
  <a href="#">Hover over me</a>
</body>
</html>
```
```

#### #### Example 2 - Pseudo-element:

```
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    /* Add a double border to the first paragraph using a pseudo-element */
    p::before {
      content: "";
      display: block;
      border: 2px solid blue;
      margin-bottom: 10px;
    }
  </style>
  <title>Pseudo-element Example</title>
</head>
```

```

<body>
  <p>This is the first paragraph with a double border above.</p>
  <p>This is the second paragraph.</p>
</body>
</html>
'''

```

### ### 14. Selectors Combinators:

#### #### Example 1 - Descendant Selector:

```

'''html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    /* Style the text inside the list items that are descendants of the unordered list */
    ul li {
      color: green;
    }
  </style>
  <title>Descendant Selector Example</title>
</head>
<body>
  <ul>
    <li>List item 1</li>
    <li>List item 2</li>
    <li>List item 3</li>
  </ul>
</body>
</html>
'''

```

#### #### Example 2 - Adjacent Sibling Selector:

```

'''html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    /* Style the paragraph that is immediately preceded by a heading */
    h2 + p {

```

```

        color: blue;
    }
</style>
<title>Adjacent Sibling Selector Example</title>
</head>
<body>
    <h2>Heading 2</h2>
    <p>This paragraph is styled differently because it is preceded by a heading.</p>
</body>
</html>
...

```

### ### 15. Responsive Images:

#### #### Example 1 - Using CSS Media Queries:

```

...html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <style>
        /* Set the image width to 100% on small screens */
        img {
            max-width: 100%;
            height: auto;
        }
    </style>
    <title>Responsive Images Example</title>
</head>
<body>
    
</body>
</html>
...

```

#### #### Example 2 - Using HTML `srcset` attribute:

```

...html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Responsive Images Example</title>

```

```
</head>
<body>
  <!-- Use the srcset attribute to provide different image sources for different resolutions -->
  
</body>
</html>
'''
```

These examples cover the basics of pseudo-classes, pseudo-elements, selectors combinators, and responsive images. Feel free to modify them based on your specific needs!