

More on CSS Selector

Assignment Solution



Q1. For the given index.html file. Perform the following task, without changing the index.html file.

- A. Create a CSS file to apply styles to the HTML element, and link it
- B. Using the combinator selector, perform the following task -
 - a. Use any of the CSS combinator selectors to target all the anchor tags and change the text color to red
 - b. Target only the first <h2> tag and change the text and background color using the combinator selector
 - c. Also, select the first <p> tag and change the text color to red.
- C. Using the attribute selector, perform the following task
 - a. target the anchor tag with attribute "href" and change color to red and remove the text underline
 - b. Target the anchor tag with the attribute of class name "active", change the text color, and provide the text style properties with underlining.
 - c. Target the anchor tag with the attribute of the target whose value is "_self" and change the background color.
- D. Using the Pseudo selectors, perform the following task
 - a. Target the last <p> tag and add "..." i.e. three dots after its value
 - b. Target the list of bullet points and change the color of the bullet points without changing the list item's value.
 - c. Among the three <p> tags target the 2nd <p> tag, select the first letter of the second <p> tag, and change the color to red Also increase the font size to 30px

Index.html (The HTML file)

```
Unset
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Test</title>
  </head>
  <body>
    <header>
      <nav>
        <h2>TOI</h2>
        <div>
          <h2>Menu</h2>
          <ul>
            <li><a href="#" target="_blank">Home</a></li>
            <li><a href="#" class="active" target="_self">About</a></li>
            <li><a href="#" target="_blank">Services</a></li>
            <li><a href="#" target="_blank">Contact</a></li>
          </ul>
        </div>

        <p>The times of India</p>
        <p>
          Lorem ipsum dolor sit amet consectetur adipisicing elit. Consequatur,
          maxime a. Deserunt distinctio doloreque repudiandae excepturi fugit
          repellat nostrum culpa!
        </p>

        <p>read articles</p>
      </nav>
    </header>
  </body>
</html>
```

Solution – style.css

```
Unset

/* B one - target the anchor tag a change the color */
nav a {
    color: green;

}

/* B two - target the first h2 tag and change the text and background
color */
nav > h2 {
    color: red;
    background-color: snow;
}

/* B three - target the first p tag and change the text to red */
ul + p {
    color: red;
}

/* C one - target the anchor tag with attribute "href" and change color
to red and
remove the text underline */
a[href] {
    color: red;
    text-decoration: none;
}

/* C two - Target the anchor tag with the attribute of class name
"active",
change the text color, and provide the text style properties with
underlining.
*/
a[class="active"] {
    color: blue;
    text-decoration: underline;
}

/* C three - Target the anchor tag with the attribute of class target
whose
value is "_self" and change the background color. */
a[target="_self"] {
    background-color: grey;
}

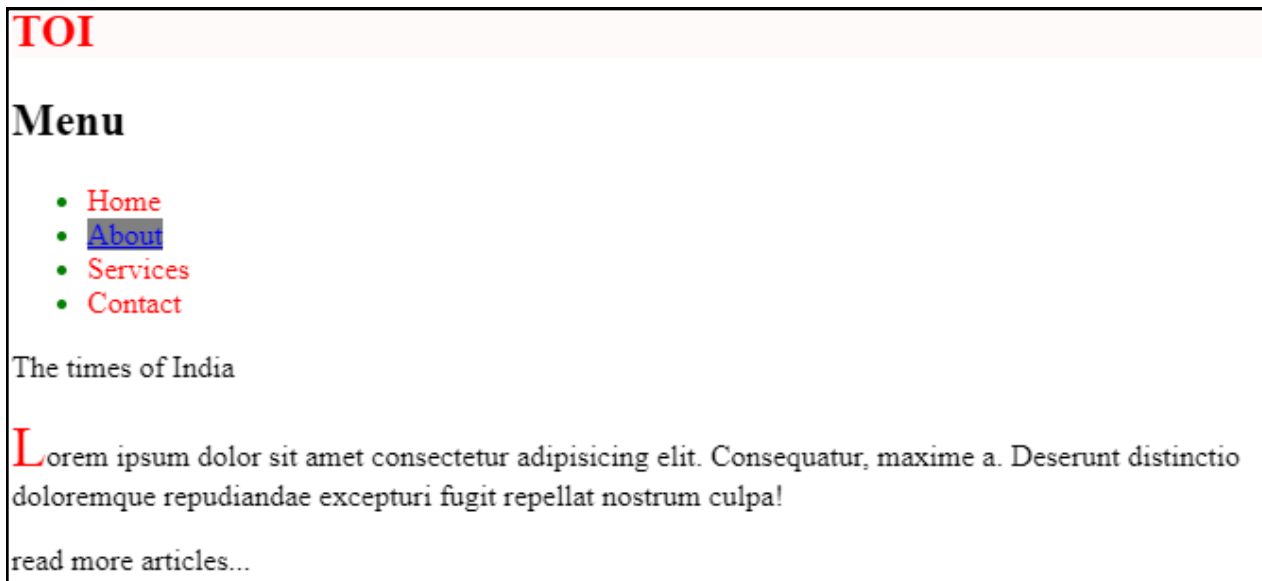
/* D-1 target the last <p> tag and addd "..." after its value */
p:last-child::after {
    content: "...";
}
```

```
/* D-2 target the list bullet points and change the color of the
bullet points */
li::marker {
  color: green;
}

/* D-3 Among the three p tag target the 2nd p tag, select the first
letter
of the second p tag and change the color to red also increase the font
size to 30px*/
p:nth-child(even)::first-letter {
  color: red;
  font-size: 30px;
}
```

Browser output

The output will be like something as shown below -



Q2. For the given index.html file. Perform the following task, without changing the index.html file.

- Use the Descendant combinator selector to remove list style type bullet points and text underlining of the Menu list items.
- Use the child combinator to display the menu list item inline
- Use the Adjacent sibling combinator selector to apply some margin between the menu list items.

index.html

```
Unset
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Styled Navigation Menu</title>
    <link rel="stylesheet" href="styles.css" />
  </head>
  <body>
    <header>
      <nav>
        <ul>
          <li><a href="#">Home</a></li>
          <li><a href="#">About</a></li>
          <li><a href="#">Services</a></li>
          <li><a href="#">Portfolio</a></li>
          <li><a href="#">Contact</a></li>
        </ul>
      </nav>
    </header>
    <main>
      <!-- Your content here -->
    </main>
  </body>
</html>
```

Note - the above HTML code should not be changed and you are not allowed to add any class name to the HTML file.

Expected output -

- [Home](#)
- [About](#)
- [Services](#)
- [Portfolio](#)
- [Contact](#)



Home About Services Portfolio Contact

Solution - style.css

```
Unset
/* task one - use descendant combinator selector
to remove list style bullet points */
ul li a {
    list-style: none;
    text-decoration: none;
}

/* task two - use child Combinator to display the
menu list item inline */
ul > li {
    display: inline;
}

/* task three - use Adjacent sibling combinator selector
to apply some margin between the menu list item */
li + li {
    margin: 10px;
}
```

Q3. Using any of the Pseudo element selectors, add any random words after and before the given HTML tag

index.html

```
Unset
<!-- given HTML code -->
<body>
  <h1>- element -</h1>
</body>

<!-- Expected Output -->
<!-- Pseuo - element - selector -->
```

Solution - style.css

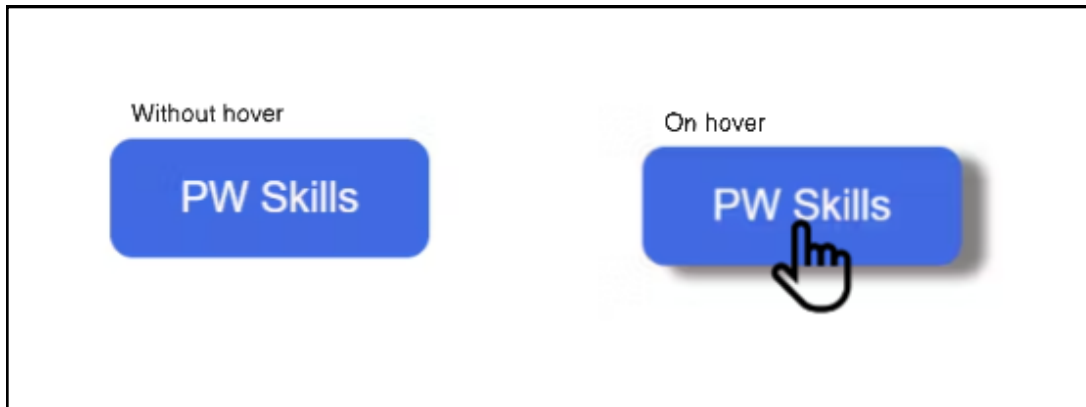
```
Unset
h1::after {
    content: "selector";
}

h1::before {
    content: "Pseudo";
}
```

Q4. Illustrate one example of a pseudo-class element selector hover example should include the following -

- An example should be one HTML button tag
- When hovering the color should be changed and the shadow of the button should be added.
- Proper padding space should be given.
- The cursor style should also be changed to the pointer on hover

Expected output -



Solution -

style.css

```
Unset
button {
  background-color: royalblue;
  border: none;
  margin-top: 100px;
  margin-left: 100px;
  padding: 15px 30px;
  color: #ffffff;
  font-size: 18px;
  border-radius: 10px;
}
button:hover {
  box-shadow: 10px 5px 5px grey;
  cursor: pointer;
}
```