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Assignment Name = More on CSS selectors
GitHub = Link

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

- Use any of the CSS combinator selectors to target all the anchor tags and change the text color to red.

- Target only the first `<h2>` tag and change the text and background color using the combinator selector.

- Also, select the first `<p>` tag and change the text color to red.

C. Using the attribute selector, perform the following task

- Target the anchor tag with attribute `"href"` and change color to red and remove the text underline.

- Target the anchor tag with the attribute of class name `"active"`, change the text color, and provide the text style properties with underlining.

- 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

- Target the last `<p>` tag and add "`...`" i.e. three dots after its value.

- Target the list of bullet points and change the color of the bullet points without changing the list item's value.

- 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)

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

Output:-
```css
/* A. General styling applied to the HTML */
body {
  font-family: Arial, sans-serif;
}

/* B. Combinator selectors */

/* Target all anchor tags inside list (ul > li > a) and set text color to red */
ul li a {
  color: red;
}

/* Target the first <h2> (TOI) using combinator */
body > header > h2 {
  color: white;
  background-color: darkblue;
}

/* Select the first <p> tag and change text color to red */
p:first-of-type {
  color: red;
}

/* C. Attribute selectors */

/* Target anchor with href attribute */
a[href] {
  color: red;
  text-decoration: none;
}

/* Target anchor with class "active" */
a.active {
  color: green;
  text-decoration: underline;
  font-weight: bold;
}

/* Target anchor with target="_self" */
a[target="_self"] {
  background-color: lightgray;
}
```

```css
/* D. Pseudo selectors */

/* Target the last <p> and add ... */
p:last-of-type::after {
  content: "...";
}

/* Target the list bullet points (not the text) */
ul {
  list-style-type: square; /* or change color using list-style-image */
  color: blue;
}

/* Target the 2nd <p>, first letter, change color and size */
p:nth-of-type(2)::first-letter {
  color: purple;
  font-size: 30px;
}
```

TOI

Menu

- Home
- About
- Services
- Contact

The times of India

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2. **Q2. Create a CSS file and link it to the provided HTML file below, use any of the combinator class selectors to style the navigation menu as follows –**

- **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 items inline.

- **Use the Adjacent sibling combinator selector** to apply some margin between the menu list items.

```
<!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>
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distinctio doloremque repudiandae excepturi fugit repellat nostrum culpa!

  </main>
</body>
</html>
```

CSS Code:-
```
/* Descendant combinator to remove bullets and underline */
nav ul li a {
```

```
    list-style: none;
    text-decoration: none;
    color: blue;
}

/* Child combinator to display list items inline */
nav > ul > li {
    display: inline;
}

/* Adjacent sibling combinator to add spacing between menu items */
nav > ul > li + li {
    margin-left: 20px;
}
```

Home   About   Services   Portfolio   Contact

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3.Here's the **text version** of **Q3** from your image along with the correct approach and example using **pseudo-element selectors**:

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

✅ **Given HTML Code (Do not modify):**
```
<body>
  <h1>– element –</h1>
</body>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Pseudo Element Example</title>
  <style>
    h1::before {
      content: "Pseudo - ";
      color: blue;
```

```
    }

    h1::after {
      content: " - selector";
      color: green;
    }
  </style>
</head>
<body>
  <h1>– element –</h1>
</body>
</html>
```

4. Q4. Using any of the Pseudo element selectors, add any random words after and before the
1.given HTML tag Assignment Question
2.An example should be one HTML button tac
3. When hovering the color should be changed and the shadow of the button should be added
4.Proper padding space should be given
5. The cursor style should also be changed to a pointer on hover

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Pseudo Button</title>
  <style>
    button {
      background-color: #4a90e2;
      color: white;
      padding: 12px 24px;
      border: none;
      border-radius: 10px;
      font-size: 18px;
      position: relative;
      transition: all 0.3s ease;
    }

    button::before {
      content: "🚀 ";
    }

    button::after {
      content: " 🔥";
    }
```
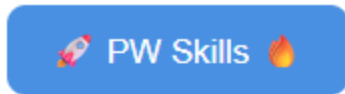
```
    button:hover {
      background-color: #3461a4;
      box-shadow: 0 8px 16px rgba(0, 0, 0, 0.3);
      cursor: pointer;
    }
  </style>
</head>
<body>
  <button>PW Skills</button>
</body>
</html>
```

Output:-

After:-

Before:-