

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)

```
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>
      </nav>
    </header>
    <p>The times of India</p>
    <p>
      Lorem ipsum dolor sit amet consectetur adipisicing elit. Consequatur,
      maxime a. Deserunt distinctio doloremque repudiandae excepturi fugit
      repellat nostrum culpa!
    </p>
    <p>read articles</p>
  </body>
</html>
```

Ans:

Menu

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

The times of India

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read articles...

Html Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Test</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <nav>
      <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 doloresque repudiandae excepturi fugit
        repellat nostrum culpa!
      </p>
      <p>read articles</p>
    </nav>
```

```
</header>
</body>
</html>
```

Css code:

```
nav a {
  color: red;
}

nav > div > h2 {
  color: white;
  background-color: blue;
}

nav > p:first-of-type {
  color: red;
}

a[href] {
  color: red;
  text-decoration: none;
}

a[class~="active"] {
  color: green;
  text-decoration: underline;
}

a[target="_self"] {
  background-color: yellow;
}

p:last-of-type::after {
  content: "...";
}

li::marker {
  color: blue;
}

nav > p:nth-of-type(2)::first-letter {
  color: red;
  font-size: 30px;
}
```

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 -

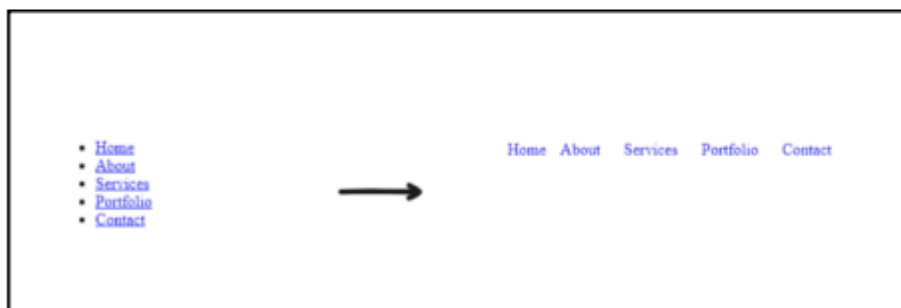
- Use the Descendant combinator selector to remove list style type bullet points and text underlining of the Menu list items.
- Use the child combinator to display the menu list item inline
- Use the Adjacent sibling combinator selector to apply some margin between the menu list items.

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>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 -



Html code:

```
<!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="style.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>
  </main>
</body>
</html>
```

Css code:

```
nav ul li {
  list-style-type: none;
  text-decoration: none;
}
a{
  text-decoration: none;
}

nav>ul>li {
  display: inline;
}

nav li+li {
  margin-left: 20px;
}
```

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

Unset

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

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

Ans;

Html code:

```
<!DOCTYPE html>
<html>
<head>
<title>Pseudo Element Example</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<h1>- element -</h1>
</body>
</html>
```

Css code:

```
h1::before {
  content: "This is added before the element. ";
  color: blue;
}

h1::after {
  content: " This is added after the element.";
  color: red;
}
```

Q4. Using any of the Pseudo element selectors, add any random words after and before the given HTML tag

- 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 a pointer on hover

Expected output -



Ans:

Html code:

```
<!DOCTYPE html>
<html>

<head>
  <title>Pseudo Element Button</title>
  <link rel="stylesheet" href="style.css">
</head>

<body>
  <button>PW Skills</button>
</body>

</html>
```

CSS code:

```
button {
  padding: 10px 20px;
  font-size: 16px;
  border: none;
  border-radius: 5px;
  background-color: lightblue;
  transition: background-color 0.3s, box-shadow 0.3s;
  cursor: default;

  background-color: blue;
```

```
}  
  
button::before {  
  content: "";  
  transition: content 0.3s;  
}  
  
button:hover {  
  background-color: blue;  
  box-shadow: 5px 5px 10px rgba(0, 0, 0, 0.643);  
  cursor: pointer;  
}
```