Practical 6: Demonstrate the Use of CSS

Aim:

- To implement responsive design, use pseudo-classes, and ensure interactive link color changes with CSS.

Objective:

- Learn how to use :visited, :active pseudo-classes.
- Implement a responsive layout using media queries.

Prerequisites:

- Basic knowledge of HTML and CSS.

Theory:

- **Pseudo-Classes:** :visited is used to style visited links, and :active applies to links when clicked.
- **Responsive Design:** Ensures the webpage adjusts its layout according to screen size, using CSS media queries.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Demo</title>
  <style>
    body {
      font-family: Arial, sans-serif;
    }
    a:visited {
      color: purple;
    }
    a:active {
      color: red;
    }
    @media screen and (max-width: 600px) {
```

```
        body {

          background-color: lightblue;

        }

      }
    </style>
  </head>
  <body>
    <a href="https://www.example.com">Click me!</a>
  </body>
</html>
```

Output:
- Links change color when visited and clicked. The background color changes when the screen width is less than 600px.

Conclusion:
- The use of CSS pseudo-classes and media queries helps create dynamic, responsive, and interactive web pages.