

Tutorial No. 05

Title: CSS3 – Background, Gradient, Opacity, Drop shadows, Transition, Transformation, Pseudo selectors and Pseudo element.

Batch: A1 Roll No.: 16010422013**Tutorial No.: 5**

Aim: To design a Web page using HTML 5 and stylise it using CSS3 – Background, Gradient, Opacity, Drop shadows, Transition, Transformation, Pseudo selectors and Pseudo element.

Resources needed: Notepad++, Web Browser

Theory:

Activity

Design a web page using the CSS properties like Colors and Background-color, Lengths and percentages, Margin and padding, Borders, Navigation bars, Background, Gradient, Opacity, Drop shadows, Transition, Transformation, Pseudo selectors and Pseudo element. etc.

Results: (Program printout with output)

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Modern Web Page</title>
<style>
    /* Body styles */
    body {
        font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        margin: 0;
        padding: 0;
        background-color: #f9f9f9;
        color: #333;
        line-height: 1.6;
    }

    /* Header styles */
    header {
        background-color: #333;
        color: #fff;
        padding: 20px 0;
```

```
    text-align: center;
    box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
}

header h1 {
    margin: 0;
    font-size: 2.5rem;
}

/* Navigation styles */
nav {
    background-color: #444;
    padding: 10px;
    text-align: center;
}

nav a {
    color: #fff;
    text-decoration: none;
    padding: 12px 24px;
    margin: 0 10px;
    border-radius: 5px;
    transition: background-color 0.3s ease;
}

nav a:hover {
    background-color: #555;
}

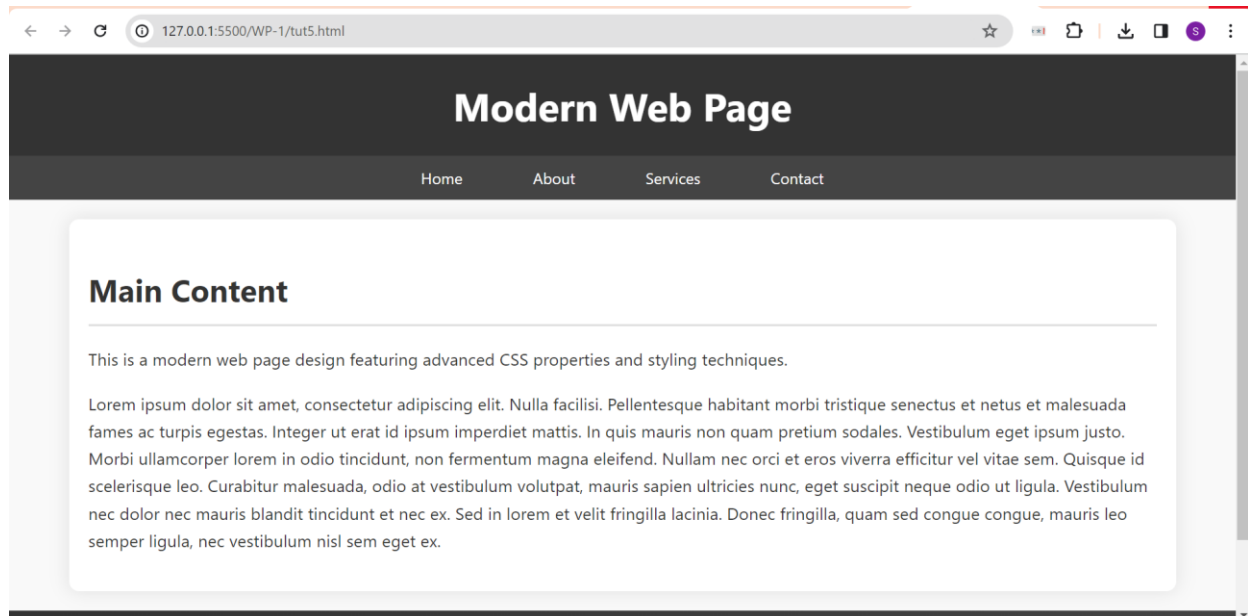
/* Main content styles */
.container {
    max-width: 1100px;
    margin: 20px auto;
    padding: 20px;
    background-color: #fff;
    box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
    border-radius: 10px;
}

.container h2 {
    font-size: 2rem;
    margin-bottom: 20px;
    border-bottom: 2px solid #ddd;
    padding-bottom: 10px;
}

.container p {
    font-size: 1.1rem;
}

/* Footer styles */
footer {
```

```
        background: linear-gradient(to right, #333, #444);
        color: #fff;
        padding: 20px 0;
        text-align: center;
    }
</style>
</head>
<body>
    <header>
        <h1>Modern Web Page</h1>
    </header>
    <nav>
        <a href="#">Home</a>
        <a href="#">About</a>
        <a href="#">Services</a>
        <a href="#">Contact</a>
    </nav>
    <div class="container">
        <h2>Main Content</h2>
        <p>This is a modern web page design featuring advanced CSS properties
and styling techniques.</p>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla
facilisi. Pellentesque habitant morbi tristique senectus et netus et malesuada
fames ac turpis egestas. Integer ut erat id ipsum imperdiet mattis. In quis
mauris non quam pretium sodales. Vestibulum eget ipsum justo. Morbi ullamcorper
lorem in odio tincidunt, non fermentum magna eleifend. Nullam nec orci et eros
viverra efficitur vel vitae sem. Quisque id scelerisque leo. Curabitur
malesuada, odio at vestibulum volutpat, mauris sapien ultricies nunc, eget
suscipit neque odio ut ligula. Vestibulum nec dolor nec mauris blandit tincidunt
et nec ex. Sed in lorem et velit fringilla lacinia. Donec fringilla, quam sed
congue congue, mauris leo semper ligula, nec vestibulum nisl sem eget ex.</p>
    </div>
    <footer>
        <p>&copy; 2024 Modern Web Page</p>
    </footer>
</body>
</html>
```



Outcomes: Use HTML5 and CSS3 for web designing.

Conclusion: (Conclusion to be based on the outcomes achieved)

In conclusion, the provided web page design demonstrates the application of various advanced CSS properties and styling techniques to create a modern and visually appealing user interface. By leveraging features such as gradients, box shadows, transitions, and pseudo-selectors, we've enhanced the overall look and feel of the web page. Additionally, attention to typography, spacing, and layout helps to ensure a pleasant user experience across different devices and screen sizes. Overall, the design showcases the versatility and power of CSS in creating attractive and functional web pages.

Signature of faculty in-charge with date

References:

Books/ Journals/ Websites:

- “Web technologies: Black Book”, Dreamtech Publications
- <http://www.w3schools.com>