Lab Practice -2 [404184C] : ELECTIVE-III(C) - JavaScript

ACADEMIC YEAR: 2024-25

CLASS	: BE	DIV	: 7	Batch	: R-7	DATE	:
Roll No	42305	ABC ID	: 810-360-343-871			SEMESTER	: I

Experiment No.: 8

HTML ➔

<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

 <meta name="viewport" content="width=device-width, initial-scale=1.0">

 <meta name="description" content="Home Page with Color Change Events">

 <title>Home Page Color Change</title>

 <link rel="stylesheet" href="style_8.css">

</head>

<body>

 <div class="container">

  <header>

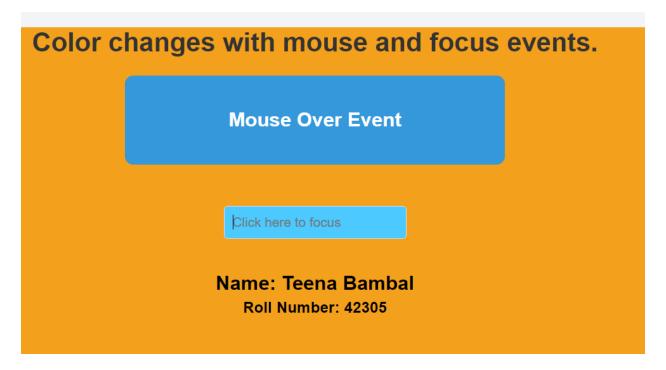   <h1>Color changes with mouse and focus events.</h1>

  </header>

  <section id="mouseover-section" class="box">

   <h2>Mouse Over Event</h2>

  </section>

  <section id="focus-section">

   <h2>Focus Event</h2>

   <input type="text" id="focus-input" placeholder="Click here to focus">

  </section>

```html
    <div class="info">

      <h2>Name: Teena Bambal</h2>

      <h3>Roll Number: 42305</h3>

    </div>

  </div>

  <script src="script_8.js"></script>

</body>

</html>
```

CSS ➔

```css
body,

html {

  margin: 0;

  padding: 0;

  font-family: Arial, sans-serif;

  background-color: #f3f4f6;

  display: flex;

  justify-content: center;

  align-items: center;

  height: 100%;

  transition: background-color 0.3s ease; /* Smooth background change */

}

.container {

  text-align: center;

  background-color: #fff;

  padding: 30px;

  border-radius: 10px;

  box-shadow: 0px 0px 15px rgba(0, 0, 0, 0.1);
```

```css
   width: 600px;
}

header {
  margin-bottom: 20px;
}

header h1 {
  color: #333;
}

section {
  margin: 20px 0;
  padding: 20px;
  border-radius: 10px;
  transition: background-color 0.3s ease;
}

#mouseover-section {
  background-color: #3498db;
  color: white;
  cursor: pointer;
}

#focus-section {
  background-color: #2ecc71;
  color: white;
}

#focus-input {
  padding: 10px;
  width: 200px;
  border: 1px solid #ddd;
  border-radius: 5px;
  font-size: 16px;
```

```css
 outline: none;

 margin-top: 10px;

}

h2,

h3 {

 margin: 5px;

 color: #4caf50;

}
```

JS ➔

```js
const mouseoverSection = document.getElementById("mouseover-section");

mouseoverSection.addEventListener("mouseover", function () {

 document.body.style.backgroundColor = "#f39c12"; // Change body background color

 document.querySelector(".container").style.backgroundColor = "#f8c471"; // Change container background color

});

mouseoverSection.addEventListener("mouseout", function () {

 document.body.style.backgroundColor = "#f3f4f6"; // Reset body background color

 document.querySelector(".container").style.backgroundColor = "#fff"; // Reset container background color

});

const focusInput = document.getElementById("focus-input");

focusInput.addEventListener("focus", function () {

 document.getElementById("focus-section").style.backgroundColor = "#e74c3c";

});

focusInput.addEventListener("blur", function () {

 document.getElementById("focus-section").style.backgroundColor = "#2ecc71";

});
```

Output ➜

Color changes with mouse and focus events.

Mouse Over Event

Click here to focus

Name: Teena Bambal
Roll Number: 42305

Color changes with mouse and focus events.

Mouse Over Event

Click here to focus

Name: Teena Bambal
Roll Number: 42305

Date: Course Teacher Sign