# 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.: 5**

HTML ➔

```html
<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

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

 <title>Countdown Timer</title>

 <link rel="stylesheet" href="style_5.css">

</head>

<body>

 <div class="container">

  <h1>Countdown Timer</h1>

  <label for="endDate">Enter End Date and Time:</label>

  <input type="datetime-local" id="endDate">

  <button onclick="startCountdown()">Start Countdown</button>

  <div id="countdown"></div>

  <div class="info">

   <h2>Name: Teena Bambal</h2>

   <h3>Roll Number: 42305</h3>

  </div>

 </div>
```

```html
  <script src="script_5.js"></script>
</body>
</html>
```

CSS ➔

```css
body {

 font-family: Arial, sans-serif;

 display: flex;

 justify-content: center;

 align-items: center;

 height: 100vh;

 margin: 0;

 background-color: #f0f0f0;

}

.container {

 text-align: center;

 background-color: #ffffff;

 padding: 20px;

 border-radius: 10px;

 box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

}

h1 {

 color: #333;

}

#countdown {

 font-size: 24px;

 margin-top: 20px;

 color: #ff6347;

}

.info {

 margin-top: 20px;

}
```

```css
h2,
h3 {
  margin: 5px;
  color: #4caf50;
}
input[type="datetime-local"] {
  padding: 10px;
  margin: 10px;
  border: 1px solid #ccc;
  border-radius: 5px;
}
button {
  padding: 10px 20px;
  background-color: #4caf50;
  color: white;
  border: none;
  border-radius: 5px;
  cursor: pointer;
}
button:hover {
  background-color: #45a049;
}
```

JS ➜

```js
function startCountdown() {
 const endDateInput = document.getElementById("endDate").value;
 if (!endDateInput) {
  document.getElementById("countdown").innerHTML =
   "Please select a valid date and time.";
  return;
 }
 const endDate = new Date(endDateInput).getTime();
 const interval = setInterval(function () {
  const now = new Date().getTime();
  const timeRemaining = endDate - now;
  if (timeRemaining < 0) {
   clearInterval(interval);
   document.getElementById("countdown").innerHTML = "Countdown Expired!";
   return;
  }
  const days = Math.floor(timeRemaining / (1000 * 60 * 60 * 24));
  const hours = Math.floor(
   (timeRemaining % (1000 * 60 * 60 * 24)) / (1000 * 60 * 60)
  );
  const minutes = Math.floor(
   (timeRemaining % (1000 * 60 * 60)) / (1000 * 60)
  );
  const seconds = Math.floor((timeRemaining % (1000 * 60)) / 1000);
  document.getElementById("countdown").innerHTML =
   days + "d " + hours + "h " + minutes + "m " + seconds + "s ";
 }, 1000);}
```

Output ➔

# Countdown Timer

Enter End Date and Time: [ dd-mm-yyyy --:-- 🗓 ]  **Start Countdown**

**Name: Teena Bambal**
**Roll Number: 42305**

# Countdown Timer

Enter End Date and Time: [ 26-10-2024 04:19 🗓 ]  **Start Countdown**

**4d 3h 58m 27s**

**Name: Teena Bambal**
**Roll Number: 42305**

# Countdown Timer

Enter End Date and Time: [ 26-09-2024 04:22 🗓 ]  **Start Countdown**

**Countdown expired.**

**Name: Teena Bambal**
**Roll Number: 42305**

Date:                                                                    Course Teacher Sign