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| PICTLOGO | **SCTR’s PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043** |
| **DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING** |

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| **Lab Practice -2 [404184C] : ELECTIVE-III(C) - JavaScript** | | | | | | | |
| **ACADEMIC YEAR: 2024-25** | | | | | | | |
| **CLASS** | **: BE** | **DIV** | **: 7** | **Batch** | **: R-7** | **DATE** | **:** |
| **Roll No** | **42315** | **ABC ID** | **: 187-311-403-781** | | | **SEMESTER** | **: I** |

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| **Experiment No.: 5** |

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: Tanmay Deo</h2>

      <h3>Roll Number: 42315</h3>

    </div>

  </div>

  <script src="script\_5.js"></script>

</body>

</html>

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;

}

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 🡺

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 🡺

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

|  |  |  |
| --- | --- | --- |
| A screenshot of a computer  Description automatically generated | | |
| Date: |  | Course Teacher Sign |