



PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043  
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG.  
ACADEMIC YEAR : 2022-23 SEM: 1

CLASS : BE VIII [P8]

SUBJECT : JavaScript

EXPT. NO. : 5

Roll No.: 42410

DATE :

CODE :

**Programmers Name :Disha Chinchole**  
**Batch : P8**

**Problem Statement :** Write a Javascript Program to create a countdown timer.  
**Code:**

**index5.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>
  <style>
    body {
      font-family: 'Times New Roman';
      font-size: 25px;
      text-align: center; /* Center-align the entire content of the body */
    }
    label {
      margin-right: 10px;
      text-align: center; /* Center-align labels */
    }
    #endDate {
      width: 150px;
      height: 25px;
      margin-right: 10px;
    }
    #one {
      font-size: 28px;
      text-align: center; /* Center-align the text within h3#one */
    }
    #two {
      font-size: 25px;
      text-align: center; /* Center-align the text within h3#two */
    }
    #startButton {
      display: block;
      margin: 0 auto; /* Center-align the button */
      padding: 5px 10px;
      background-color: #9b9fa1;
```



```
color: #111111;
border: none;
cursor: pointer;
font-size: 23px;
font-family: 'Times New Roman', Times, serif;
}
#countdown {
font-size: 24px;
margin-top: 20px;
text-align: center; /* Center-align the text within #countdown */
}
</style>
</head>
<body>
<h3 id="one">42410_Disha Chinchole</h3>
<h3 id="two">Countdown Timer</h3>
<label for="endDate">Enter End Date and Time:</label>
<input type="datetime-local" id="endDate" required>
<button id="startButton">Start Countdown</button>
<div id="countdown"></div>
<script src="app5.js"></script>
</body>
</html>
```

#### app5.js

```
document.getElementById("startButton").addEventListener("click", function() {
const endDateString = document.getElementById("endDate").value;
if (!endDateString) {
alert("Please enter a valid end date and time.");
return;
}
const endDate = new Date(endDateString).getTime();
const countdownInterval = setInterval(function() {
const now = new Date().getTime();
const timeRemaining = endDate - now;
if (timeRemaining <= 0) {
clearInterval(countdownInterval);
document.getElementById("countdown").innerHTML = "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);
```



**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043**  
**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG.**  
**ACADEMIC YEAR : 2022-23      SEM: 1**

```
document.getElementById("countdown").innerHTML = `${days}d ${hours}h ${minutes}m  
${seconds}s`;  
, 1000);  
})
```

**OUTPUT :**

