

## JavaScript Assignment - 05

Name – Soumitra Anil Kode

Roll no. – 42134 , BE- 06, Batch - P6

DOP :

**Git Repo Link :**

**Source Code :**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <title>Live Countdown Timer - Modern Style</title>
  <style>
    @import
url('https://fonts.googleapis.com/css2?family=Nunito:wght@400;700&display=swap');
    body {
      font-family: 'Nunito', Arial, sans-serif;
      background: linear-gradient(135deg, #d9e2f3 0%, #ffffff 100%);
      margin: 0;
      padding: 40px 20px;
      display: flex;
      justify-content: center;
      min-height: 100vh;
      align-items: center;
    }
    .container {
      background: rgba(255, 255, 255, 0.85);
      border-radius: 18px;
      box-shadow: 0 8px 32px rgba(0,0,0,0.1);
      padding: 40px 38px 32px 38px;
      max-width: 560px;
      width: 95vw;
      text-align: center;
      backdrop-filter: saturate(180%) blur(15px);
      border: 1.5px solid #aac9f7;
      animation: fadeInScale 0.7s ease forwards;
    }
    @keyframes fadeInScale {
      from { opacity: 0; transform: scale(0.92);}
      to { opacity: 1; transform: scale(1);}
    }
    h2 {
      color: #344e86;
      margin-bottom: 18px;
      font-weight: 700;
```

```
font-size: 1.85em;
letter-spacing: 0.05em;
}
.student-info {
  color: #61759f;
  font-size: 1.12em;
  margin-bottom: 24px;
  font-weight: 600;
  letter-spacing: 0.025em;
  line-height: 1.5;
  user-select: none;
}
label {
  font-weight: 700;
  color: #1e3a8a;
  display: block;
  font-size: 1.12em;
  margin-bottom: 8px;
  text-align: left;
  max-width: 300px;
  margin-left: auto;
  margin-right: auto;
}
input[type="datetime-local"] {
  width: 100%;
  max-width: 300px;
  padding: 14px 16px;
  font-size: 1.1em;
  border: 2px solid #a9bcf5;
  border-radius: 12px;
  outline-offset: 3px;
  outline-color: #668cffcc;
  transition: border-color 0.3s ease, outline-color 0.3s ease;
  margin: 0 auto 24px auto;
  display: block;
  color: #2b3a7f;
  font-weight: 600;
  cursor: pointer;
  user-select: text;
}
input[type="datetime-local"]:focus {
  border-color: #3f58b4;
  outline-color: #546ed9;
  background-color: #e6eaff;
}
.btn-row {
  display: flex;
```

```
gap: 14px;
justify-content: center;
max-width: 340px;
margin: 0 auto;
}
.btn-row button {
flex: 1;
padding: 14px 10px;
background: linear-gradient(135deg, #3b72ff 0%, #246cf3 100%);
border: none;
border-radius: 14px;
color: white;
font-weight: 700;
font-size: 1.12em;
cursor: pointer;
transition: background-color 0.25s ease, box-shadow 0.3s ease;
box-shadow: 0 4px 14px rgba(36,108,243,0.45);
user-select: none;
}
.btn-row button:hover, .btn-row button:focus {
background: linear-gradient(135deg, #5d87ff 0%, #4a78ee 100%);
box-shadow: 0 6px 23px rgba(36,108,243,0.65);
}
#countdown {
font-size: 3.2em;
font-weight: 900;
margin: 36px 0 0 0;
color: #dc3c45;
letter-spacing: 0.08em;
font-family: 'Courier New', Courier, monospace;
min-height: 64px;
user-select: none;
}
@media (max-width: 400px) {
h2 { font-size: 1.55em; }
#countdown { font-size: 2.5em; }
.btn-row { gap: 10px; }
}
</style>
</head>
<body>
<div class="container">
<h2>Countdown Timer</h2>
<div class="student-info">
Name: <b>Soumitra Kode</b><br>
Roll No: <b>42134</b><br>
Div: <b>BE-06</b><br>
```

```
Batch: <b>P6</b>
</div>
```

```
<label for="endDate">Enter end date and time:</label>
<input type="datetime-local" id="endDate" />
```

```
<div class="btn-row">
  <button id="startBtn">Start Countdown</button>
  <button id="resetBtn">Reset</button>
</div>
```

```
<div id="countdown">0d 0h 0m 0s</div>
</div>
```

```
<script>
const startBtn = document.getElementById('startBtn');
const resetBtn = document.getElementById('resetBtn');
const countdownEl = document.getElementById('countdown');
const endInput = document.getElementById('endDate');
```

```
let countdownInterval;
```

```
startBtn.addEventListener('click', () => {
  clearInterval(countdownInterval);
```

```
  if (!endInput.value) {
    alert('Please select an end date/time.');
```

```
    return;
  }

  const endTime = new Date(endInput.value).getTime();
```

```
  if (isNaN(endTime)) {
    alert('Invalid date format.');
```

```
    return;
  }

  countdownInterval = setInterval(() => {
    const now = new Date().getTime();
    const distance = endTime - now;
```

```
    if (distance < 0) {
      clearInterval(countdownInterval);
      countdownEl.textContent = "COUNTDOWN FINISHED!";
      return;
    }
  });
}
```

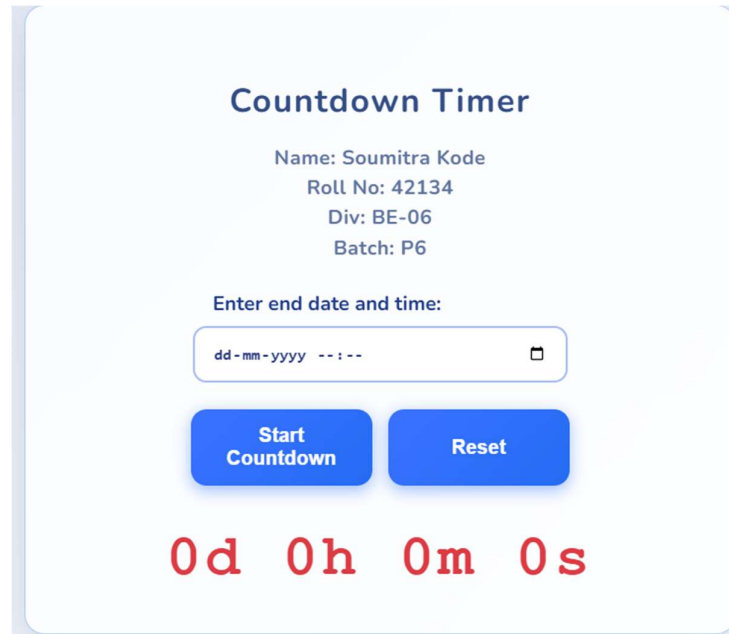
```
const days = Math.floor(distance / (1000 * 60 * 60 * 24));
const hours = Math.floor((distance % (1000 * 60 * 60 * 24)) / (1000 * 60 * 60));
const minutes = Math.floor((distance % (1000 * 60 * 60)) / (1000 * 60));
const seconds = Math.floor((distance % (1000 * 60)) / 1000);

countdownEl.textContent = `${days}d ${hours}h ${minutes}m ${seconds}s`;
}, 1000);
});

resetBtn.addEventListener('click', () => {
  clearInterval(countdownInterval);
  countdownEl.textContent = "0d 0h 0m 0s";
  endInput.value = "";
});
</script>
</body>
</html>
```

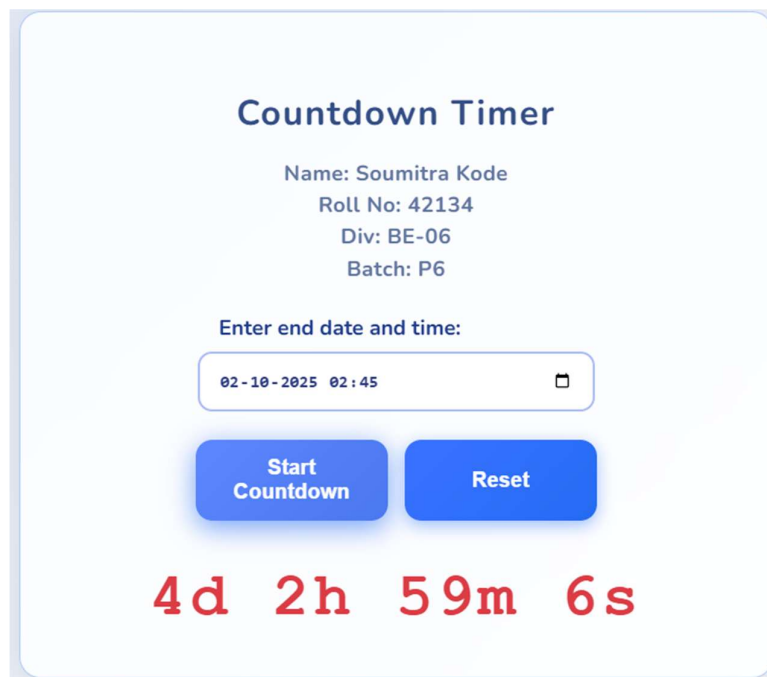
Output –

A. Initial Landing Page –



The screenshot shows the initial landing page of a 'Countdown Timer' application. The page has a light blue background with rounded corners. At the top, the title 'Countdown Timer' is displayed in a bold, dark blue font. Below the title, the user's details are listed: 'Name: Soumitra Kode', 'Roll No: 42134', 'Div: BE-06', and 'Batch: P6'. A label 'Enter end date and time:' is positioned above a text input field. The input field contains the placeholder text 'dd-mm-yyyy --:--' and a calendar icon on the right. Below the input field are two blue buttons: 'Start Countdown' and 'Reset'. At the bottom, the countdown time is displayed in large red digits as '0d 0h 0m 0s'.

B. Set and Start Countdown –



The screenshot shows the 'Countdown Timer' application after the user has set and started the countdown. The layout is identical to the initial landing page, but the input field now contains the date and time '02-10-2025 02:45'. The 'Start Countdown' button is highlighted with a blue glow, indicating it has been clicked. The countdown time at the bottom is now displayed in large red digits as '4d 2h 59m 6s'.