```
<!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: Arial, sans-serif;
      text-align: center;
    }
    .timer {
      font-size: 36px;
      margin: 20px 0;
    }
    .buttons {
      margin: 10px;
    }
  </style>
</head>
<body>
  <div class="timer" id="timer">00:00:00</div>
  <div class="buttons">
    <button onclick="startTimer()">Start</button>
    <button onclick="stopTimer()">Stop</button>
    <button onclick="resetTimer()">Reset</button>
    <button onclick="restartTimer()">Restart
  </div>
  <script>
    let timerInterval;
```

```
let startTime;
let running = false;
function startTimer() {
  if (!running) {
    startTime = Date.now() - (startTime ? startTime : 0);
    timerInterval = setInterval(updateTimer, 1000);
    running = true;
 }
}
function stopTimer() {
  clearInterval(timerInterval);
  running = false;
}
function resetTimer() {
  clearInterval(timerInterval);
  document.getElementById('timer').textContent = '00:00:00';
  startTime = undefined;
  running = false;
}
function restartTimer() {
  resetTimer();
  startTimer();
}
function updateTimer() {
  const elapsedTime = Math.floor((Date.now() - startTime) / 1000);
  const hours = Math.floor(elapsedTime / 3600);
```

```
const minutes = Math.floor((elapsedTime % 3600) / 60);
  const seconds = elapsedTime % 60;
  const formattedTime =
  `${formatTime(hours)}:${formatTime(minutes)}:${formatTime(seconds)}`;
  document.getElementById('timer').textContent = formattedTime;
  }
  function formatTime(value) {
    return value < 10 ? `0${value}` : value;
  }
  </script>
</body>
</html>
```