```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8" />
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 <title>Expt_5</title>
 </head>
 <body>
 <h1>42204 Yash Bagade </h1>
 <h1>Countdown Timer</h1>

 <label for="end-date">Enter End Date and Time: </label>
 <input type="datetime-local" id="end-date" />
 <button id="start-timer">Start Timer</button>

 <p id="countdown"></p>

 <script>
 let countdownInterval;
 function startCountdown() {
    const endDateInput =document.getElementById("end-date");
    const endDateValue = endDateInput.value;
 if (endDateValue)
 { const targetDate = new Date(endDateValue).getTime();
   countdownInterval =setInterval(() => { updateCountdown(targetDate); },
1000);
 }
}
 function updateCountdown(targetDate) {
const currentTime = new Date().getTime();
const timeRemaining = targetDate - currentTime;
 if (timeRemaining > 0) {
    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);
    const countdownElement = document.getElementById("countdown");
countdownElement.innerHTML = `${days}d ${hours}h ${minutes}m ${seconds}s`;
 }
 else {
    clearInterval(countdownInterval);
    document.getElementById("countdown").innerHTML = "Expired";
 }
}
 document.getElementById("start-timer").addEventListener("click",
startCountdown);
```

```
</script>
</body>
</html>
```