

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Stopwatch</title>

  <style>

    body { font-family: Arial, sans-serif; text-align: center; padding: 20px; }

    #time { font-size: 2em; margin: 20px; }

    button { margin: 5px; padding: 10px 20px; font-size: 1em; }

    #laps { margin-top: 20px; text-align: left; display: inline-block; }

  </style>

</head>

<body>

  <h1>Stopwatch</h1>

  <div id="time">00:00:00</div>

  <button onclick="startStopwatch()">Start</button>

  <button onclick="pauseStopwatch()">Pause</button>

  <button onclick="resetStopwatch()">Reset</button>

  <button onclick="recordLap()">Lap</button>

  <div id="laps"></div>

  <script>

    let timer;

    let startTime;
```

```
let elapsedTime = 0;
```

```
let running = false;
```

```
function updateTime() {
```

```
    const now = Date.now() - startTime + elapsedTime;
```

```
    const hours = String(Math.floor((now / 3600000) % 60)).padStart(2, '0');
```

```
    const minutes = String(Math.floor((now / 60000) % 60)).padStart(2, '0');
```

```
    const seconds = String(Math.floor((now / 1000) % 60)).padStart(2, '0');
```

```
    document.getElementById("time").textContent = `${hours}:${minutes}:${seconds}`;
```

```
}
```

```
function startStopwatch() {
```

```
    if (!running) {
```

```
        startTime = Date.now();
```

```
        timer = setInterval(updateTime, 1000);
```

```
        running = true;
```

```
    }
```

```
}
```

```
function pauseStopwatch() {
```

```
    if (running) {
```

```
        clearInterval(timer);
```

```
        elapsedTime += Date.now() - startTime;
```

```
        running = false;
```

```
    }
```

```
}
```

```
function resetStopwatch() {  
    clearInterval(timer);  
    elapsedTime = 0;  
    running = false;  
    document.getElementById("time").textContent = "00:00:00";  
    document.getElementById("laps").innerHTML = "";  
}
```

```
function recordLap() {  
    if (running) {  
        const lapTime = document.getElementById("time").textContent;  
        const lapElement = document.createElement("div");  
        lapElement.textContent = `Lap: ${lapTime}`;  
        document.getElementById("laps").appendChild(lapElement);  
    }  
}
```

```
</script>
```

```
</body>
```

```
</html>
```

**OUTPUT:**

# Stopwatch

00:00:03

Start

Pause

Reset

Lap

