

TASK-02

Stopwatch Web Application

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Stopwatch</title>
  <style>
    body {
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      background: #121212;
      font-family: Arial, sans-serif;
      color: white;
    }
    .stopwatch {
      text-align: center;
      background: #1f1f1f;
      padding: 30px;
      border-radius: 10px;
```

```
    width: 300px;
}
#time {
    font-size: 36px;
    margin-bottom: 20px;
}
button {
    padding: 10px 20px;
    margin: 5px;
    font-size: 16px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
}
.start { background: #4caf50; color: white; }
.pause { background: #ff9800; color: white; }
.reset { background: #f44336; color: white; }
</style>
</head>
<body>
```

```
<div class="stopwatch">
  <div id="time">00:00:00</div>
  <button class="start" onclick="start()">Start</button>
  <button class="pause" onclick="pause()">Pause</button>
  <button class="reset" onclick="reset()">Reset</button>
</div>
```

```
<script>
  let seconds = 0;
  let minutes = 0;
  let hours = 0;
  let timer = null;

  function updateTime() {
    seconds++;
    if (seconds === 60) {
      seconds = 0;
      minutes++;
    }
    if (minutes === 60) {
      minutes = 0;
```

```
    hours++;  
}  
document.getElementById("time").innerText =  
    String(hours).padStart(2, "0") + ":" +  
    String(minutes).padStart(2, "0") + ":" +  
    String(seconds).padStart(2, "0");  
}
```

```
function start() {  
    if (timer === null) {  
        timer = setInterval(updateTime, 1000);  
    }  
}
```

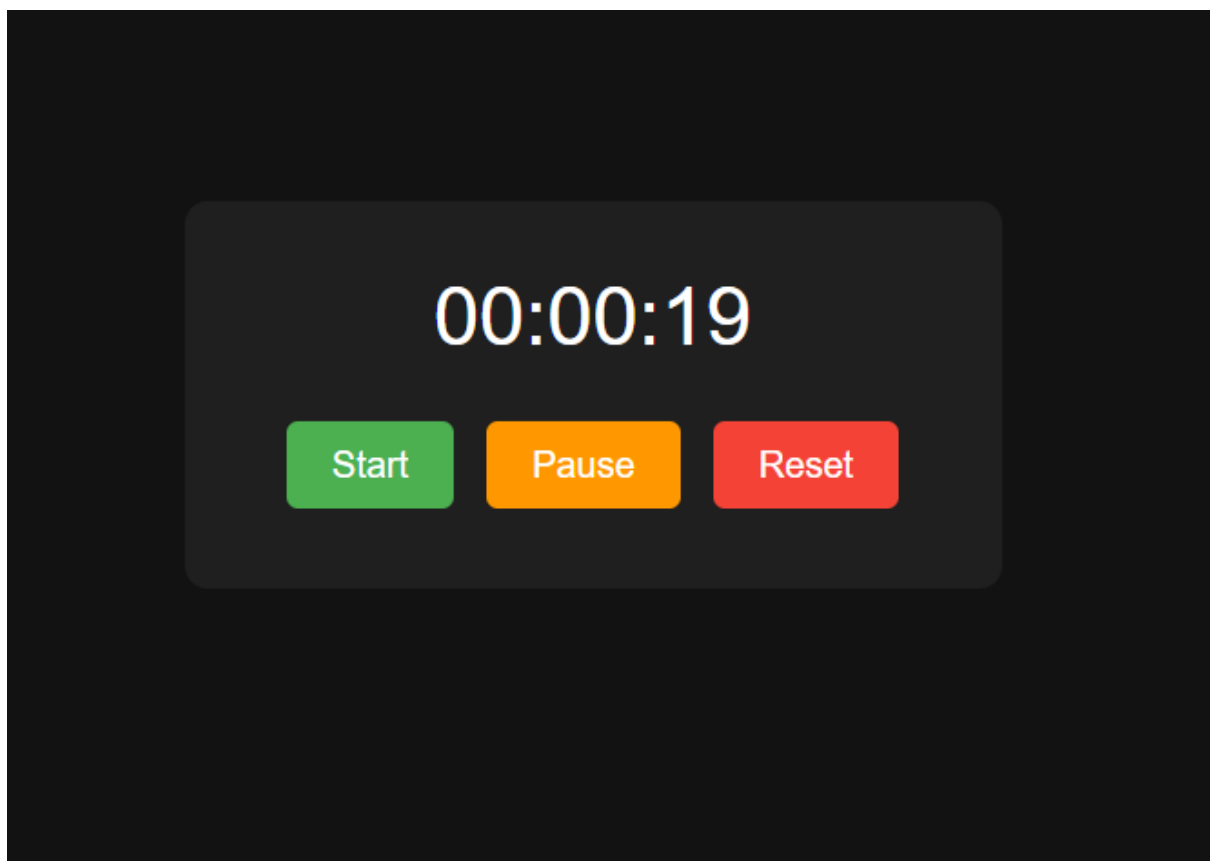
```
function pause() {  
    clearInterval(timer);  
    timer = null;  
}
```

```
function reset() {  
    pause();
```

```
seconds = minutes = hours = 0;
document.getElementById("time").innerText = "00:00:00";
}
</script>

</body>
</html>
```

OUTPUT:



00:00:42

Start

Pause

Reset

00:00:00

Start

Pause

Reset

