

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;

        }

    </style>

</head>

<body>

    <div class="stopwatch">

        <h1>Stopwatch</h1>

        <div>

            <span>00:00:00</span>

            <span>Start / Stop</span>

        </div>

        <div>

            <span>Reset</span>

        </div>

    </div>

</body>

</html>
```

```
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;  
}
```

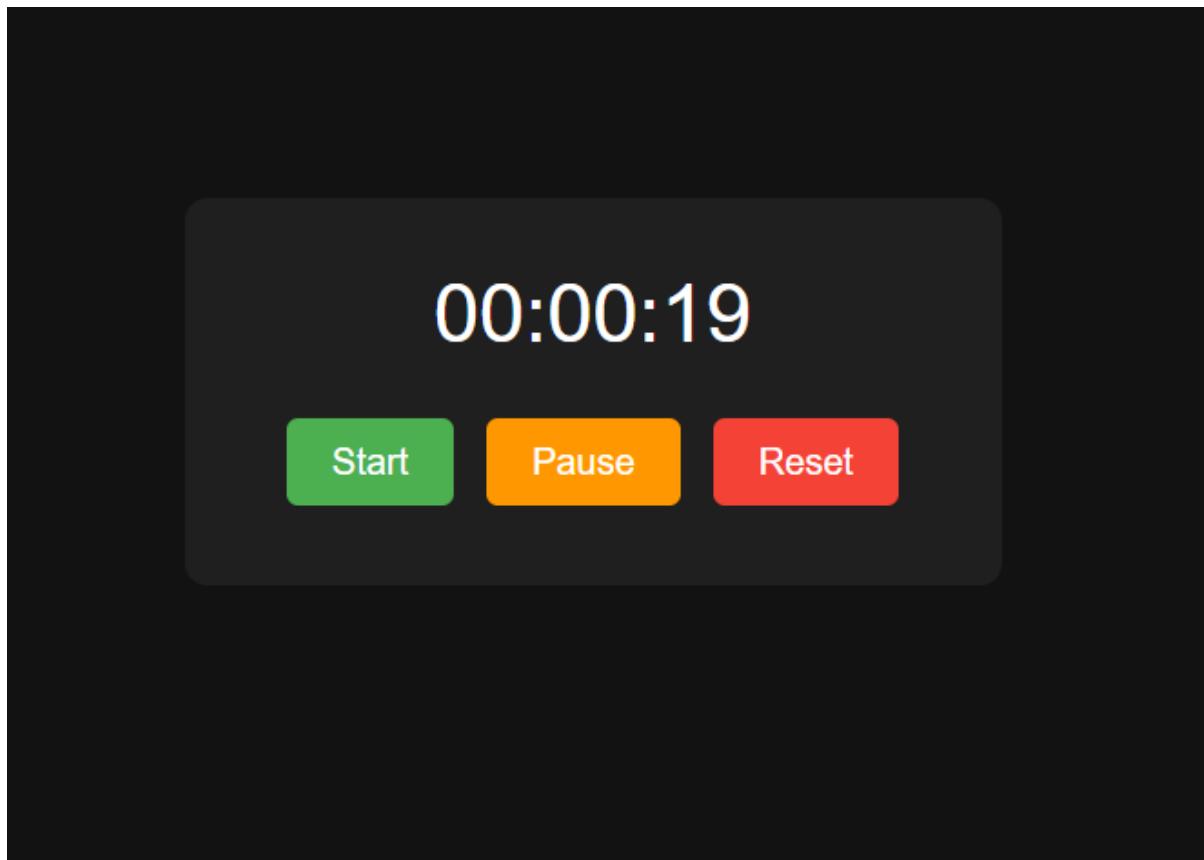
```
function reset() {  
pause();
```

```
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

