

Task-2

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Stopwatch Web App</title>

<style>
body{
  display:flex;
  justify-content:center;
  align-items:center;
  height:100vh;
  background:linear-gradient(135deg,#1e3c72,#2a5298);
  font-family:Arial, sans-serif;
  color:white;
}

.container{
  text-align:center;
  background:#0f2027;
  padding:30px;
  border-radius:15px;
  box-shadow:0 8px 20px rgba(0,0,0,0.4);
  width:320px;
}

#display{
  font-size:40px;
  margin-bottom:20px;
}

button{
  padding:10px 15px;
  margin:5px;
  border:none;
  border-radius:8px;
  cursor:pointer;
  font-size:14px;
  transition:0.3s;
}

.start{ background:#00c853; color:white; }
.pause{ background:#ffab00; color:white; }
.reset{ background:#d50000; color:white; }
.lap{ background:#2962ff; color:white; }

button:hover{
  opacity:0.8;
}

ul{
  list-style:none;
```

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margin-top:15px;
max-height:120px;
overflow-y:auto;
padding:0;
}

li{
background:#1b2735;
padding:6px;
margin:5px 0;
border-radius:5px;
font-size:14px;
}

```

</style>

</head>

<body>

<div class="container">

<h2>Stopwatch</h2>

<div id="display">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>

<button class="lap" onclick="lap()">Lap</button>

<ul id="laps">

</div>

<script>

```

let startTime, updatedTime, difference, timerInterval;
let running = false;

function start(){
if(!running){
  startTime = Date.now() - (difference || 0);
  timerInterval = setInterval(updateTime, 10);
  running = true;
}
}

function pause(){
  clearInterval(timerInterval);
  running = false;
}

function reset(){
  clearInterval(timerInterval);
  running = false;
  difference = 0;
  document.getElementById("display").innerHTML = "00:00:00";
  document.getElementById("laps").innerHTML = "";
}

function lap(){
if(running){
  let li = document.createElement("li");
  li.textContent = document.getElementById("display").innerText;
  document.getElementById("laps").appendChild(li);
}
}

```

```
}

function updateTime(){
updatedTime = Date.now();
difference = updatedTime - startTime;

let minutes = Math.floor((difference % (1000*60*60)) / (1000*60));
let seconds = Math.floor((difference % (1000*60)) / 1000);
let milliseconds = Math.floor((difference % 1000) / 10);

minutes = (minutes < 10) ? "0" + minutes : minutes;
seconds = (seconds < 10) ? "0" + seconds : seconds;
milliseconds = (milliseconds < 10) ? "0" + milliseconds : milliseconds;

document.getElementById("display").innerHTML =
minutes + ":" + seconds + ":" + milliseconds;
}
</script>

</body>
</html>
```

Output



