

## Task-02

```
<!DOCTYPE html>
<html>
<head>
<title>Professional Stopwatch App</title>
<meta name="viewport" content="width=device-width, initial-scale=1.0">

<style>
body{
margin:0;
font-family:Segoe UI, sans-serif;
background:#0f172a;
color:#e2e8f0;
display:flex;
justify-content:center;
align-items:center;
height:100vh;
}

.container{
background:#1e293b;
padding:40px;
border-radius:12px;
width:350px;
text-align:center;
box-shadow:0 8px 20px rgba(0,0,0,0.4);
}

h1{
margin-bottom:20px;
color:#38bdf8;
}

#time{
font-size:48px;
letter-spacing:2px;
margin:20px 0;
color:#f8fafc;
}

button{
padding:10px 18px;
margin:6px;
border:none;
border-radius:6px;
font-size:14px;
cursor:pointer;
font-weight:500;
}

.start{background:#2563eb;color:white;}
.pause{background:#475569;color:white;}
.reset{background:#334155;color:white;}
.lap{background:#0ea5e9;color:white;}

button:hover{
```

```
opacity:0.85;
}
```

```
ul{
list-style:none;
padding:0;
margin-top:20px;
max-height:120px;
overflow-y:auto;
text-align:left;
}
```

```
li{
background:#334155;
padding:8px;
margin-bottom:6px;
border-radius:5px;
font-size:14px;
}
</style>
</head>
```

```
<body>
```

```
<div class="container">
<h1>Stopwatch</h1>
<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>
<button class="lap" onclick="lap()">Lap</button>
```

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

```
<script>
let sec=0, min=0, hr=0;
let timer;
```

```
function update(){
sec++;
if(sec==60){sec=0;min++;}
if(min==60){min=0;hr++;}
display();
}
```

```
function display(){
document.getElementById("time").innerHTML =
(hr<10?"0"+hr:hr)+":"+
(min<10?"0"+min:min)+":"+
(sec<10?"0"+sec:sec);
}
```

```
function start(){
clearInterval(timer);
timer=setInterval(update,1000);
}
```

```
function pause(){
```

```
clearInterval(timer);
}

function reset(){
clearInterval(timer);
sec=min=hr=0;
display();
document.getElementById("laps").innerHTML="";
}

function lap(){
let li=document.createElement("li");
li.innerHTML=document.getElementById("time").innerHTML;
document.getElementById("laps").appendChild(li);
}
</script>

</body>
</html>
```

## Output:



