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TASK 2

Basic JavaScript Tasks

• **Create a Counter using JavaScript and HTML like given below.**

Requirements:

1. Button to start Counter, Pause Counter, Stop Counter.

2. You can Design the timer as per your creativity by using different colours or icons.

3. Hours: Minute: Seconds required in the counter.

Answer:

Html file

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
<title>Make Simple Javascript Timer</title>
<link rel="stylesheet" href="style.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js">
</script>
</head>
<body>
    <div class="container">
        <h1>Counter</h1>
        <div id="timer">
            <span id="hours">00:</span>
            <span id="mins">00:</span>
            <span id="seconds">00</span>
        </div>
        <div id="controls">
            <button id='start'>Start</button>
            <button id='pause'>Pause</button>
            <button id='stop'>Stop</button>
        </div>
    </div>
    <script src="script2.js"></script>
</body>
</html>
```

CSS file

```css
#timer {
    font-size:120px;
    margin:0 auto;
    width:1000px;
}


#controls {
    margin:0 auto;
    width:600px;
}


#controls button {
    font-size:25px;
    color:purple;
    background-color:yellow;
}

h1 {

    display: inline-block;
    background-color: #7b38d8;
```

```css
    border-radius: 10px;

    border: 4px double #cccccc;

    color: yellow;

    text-align: center;

    font-size: 25px;

    padding: 10px;

    width: 150px;

    -webkit-transition: all 0.5s;

    -moz-transition: all 0.5s;

    -o-transition: all 0.5s;

    transition: all 0.5s;

    cursor: pointer;

    margin: 5px;
}

body{
    align-items: center;

    background-color:lightpink;

    display: flex;

    font-family: -apple-system,

      BlinkMacSystemFont,

      "Segoe UI",

      Roboto,
```

```css
    Oxygen-Sans,
    Ubuntu,
    Cantarell,
    "Helvetica Neue",
    sans-serif;
}

.container {
    color: #333;
    margin: 0 auto;
    text-align: center;
}
```

Javascript file

```javascript
var paused = false;
var started = false;
var stopped = true;
var running = false;
interval = 1000;


var hours =0;
var mins =0;
var seconds =0;


$('#start').click(function(){
    start();
});


$('#pause').click(function(){
    pause();
});


$('#stop').click(function(){
    stop();
});
function start() {
```

```
        if (stopped){
                started = true;
                paused= false;
                stopped = false;

                hours =0;
                mins =0;
                seconds =0;
                loop(); running = true;
                return;
        }
        paused= false;
}

function pause() {
        paused= true;
}
function stop(){
        paused = false;
        started = false;
        stopped = true;
        running = false;
        hours =00;
```

```
        mins =00;
        seconds =00;
}
function update(){
        seconds++;
        if(seconds >59){
                seconds=0;
                mins++;
        }
        if(mins>59) {
                mins=0;
                hours++;
        }
        if(hours <10) {$("#hours").text('0'+hours+':')}
        else $("#hours").text(hours+':');

    if(mins<10){ $("#mins").text('0'+mins+':');}
    else $("#mins").text(mins+':');

    if(seconds <10) { $("#seconds").text('0'+seconds);}
    else { $("#seconds").text(seconds); }

}
```

```
function loop(){
    if (!stopped){
        if (!paused){update();}
            setTimeout(function(){loop()}, interval)
    }
}
```