

Name: Sricharan

Ph.No: 9840247513

## WEEK-2 ASSIGNMENT

### 1) DOB(Age Calculator)

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

```
  <title>Age Calculator</title>
```

```
  <style>
```

```
    body {
```

```
      background-image: url("imagebg.jpg");
```

```
      background-size: cover;
```

```
      background-position: center;
```

```
      font-family: Arial, sans-serif;
```

```
      text-align: center;
```

```
      padding: 20px;
```

```
      color: white;
```

```
    }
```

```
    h1 {
```

```
      color: white;
```

```
    }
```

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```
button {
    background-color: darkblue;
    color: white;
    border: none;
    padding: 10px 20px;
    cursor: pointer;
}
button:hover {
    background-color: navy;
}
#result {
    margin-top: 20px;
    font-size: 18px;
}
</style>
</head>
<body>
    <h1>Age Calculator</h1>
    <label for="dob">Date of Birth:</label>
    <input type="date" id="dob">
    <br><br>
    <label for="tob">Time of Birth:</label>
    <input type="time" id="tob">
```

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<br><br>

<button onclick="calculateAge()">Calculate</button>

<p id="result"></p>

<script>

function calculateAge() {

const dobInput = document.getElementById('dob').value;

const tobInput = document.getElementById('tob').value;

if (!dobInput || !tobInput) {

alert('Please enter your Date and Time of Birth');

return;

}

const dob = new Date(`\${dobInput}T\${tobInput}`);

const now = new Date();

const diff = now - dob;

if (diff < 0) {

alert('Date and Time of Birth cannot be in the future!');

return;

}

const minutes = Math.floor(diff / (1000 \* 60));

const hours = Math.floor(diff / (1000 \* 60 \* 60));

const days = Math.floor(diff / (1000 \* 60 \* 60 \* 24));

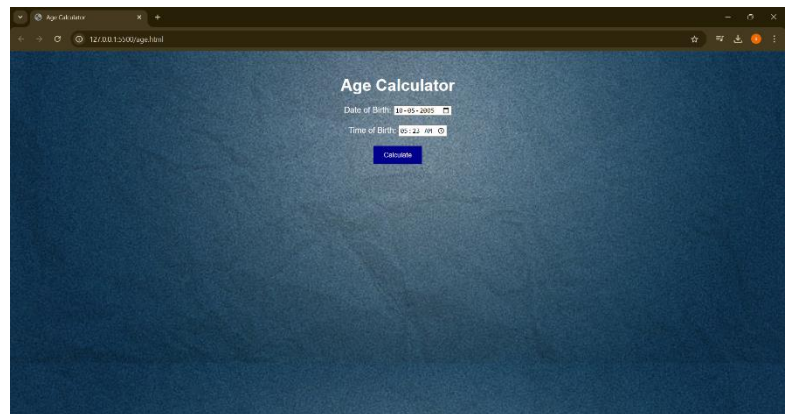
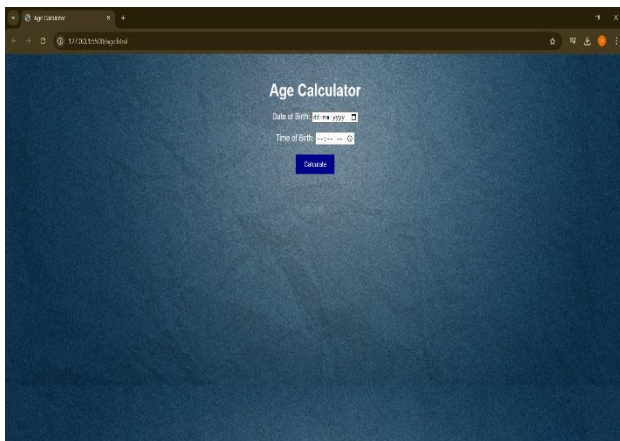
const months = Math.floor(diff / (1000 \* 60 \* 60 \* 24 \*  
30.44));

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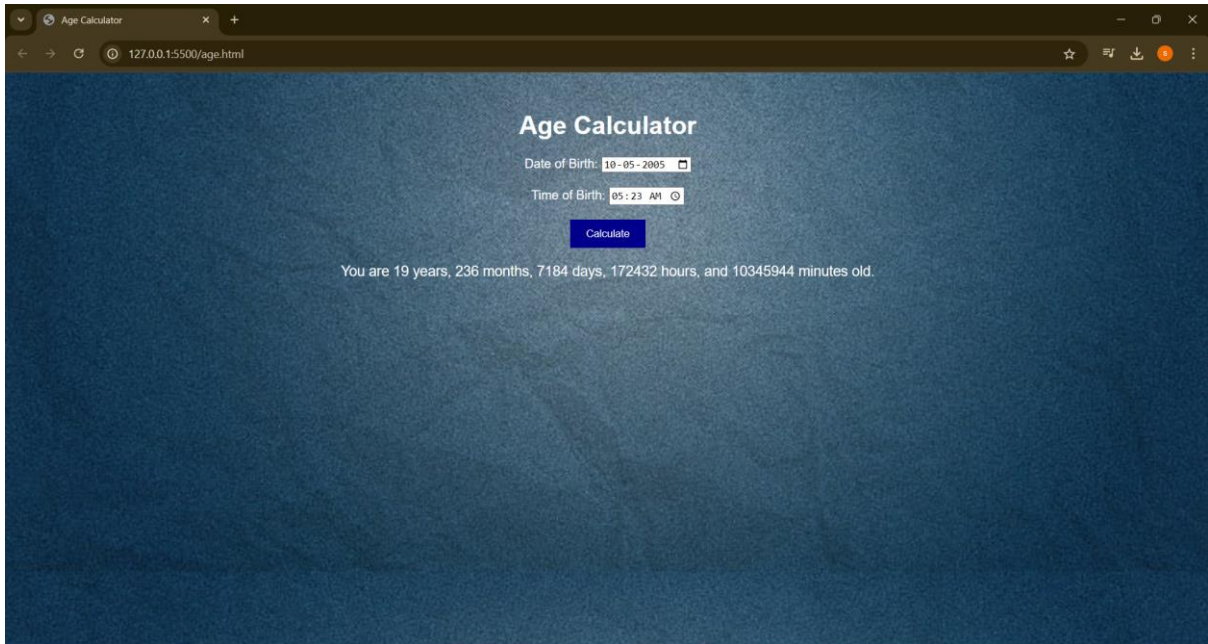
## WEEK-2 ASSIGNMENT

```
const years = Math.floor(diff / (1000 * 60 * 60 * 24 * 365.25));  
  
const resultDiv = document.getElementById('result');  
  
resultDiv.innerHTML = `You are ${years} years, ${months}  
months, ${days} days, ${hours} hours, and ${minutes} minutes old.`;  
  
}  
  
</script>  
  
</body>  
  
</html>
```




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The screenshot shows a web browser window with a single tab titled "Age Calculator". The address bar displays "127.0.0.1:5500/age.html". The page has a dark blue background with a subtle pattern. The title "Age Calculator" is centered at the top. Below it, there are two input fields: "Date of Birth:" with the value "10-05-2005" and a calendar icon, and "Time of Birth:" with the value "05:23 AM" and a clock icon. A blue "Calculate" button is positioned below these fields. The result of the calculation is displayed at the bottom: "You are 19 years, 236 months, 7184 days, 172432 hours, and 10345944 minutes old."

**Age Calculator**

Date of Birth: 10-05-2005 

Time of Birth: 05:23 AM 

**Calculate**

You are 19 years, 236 months, 7184 days, 172432 hours, and 10345944 minutes old.

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## WEEK-2 ASSIGNMENT

### 2) New year Counter

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

```
  <title>New Year Countdown</title>
```

```
  <style>
```

```
    body {
```

```
      background-image: url("imagebg.jpg");
```

```
      background-size: cover;
```

```
      background-position: center;
```

```
      font-family: Arial, sans-serif;
```

```
      color: white;
```

```
      text-align: center;
```

```
      padding: 50px;
```

```
      margin: 0;
```

```
    }
```

```
    #countdown {
```

```
      font-size: 30px;
```

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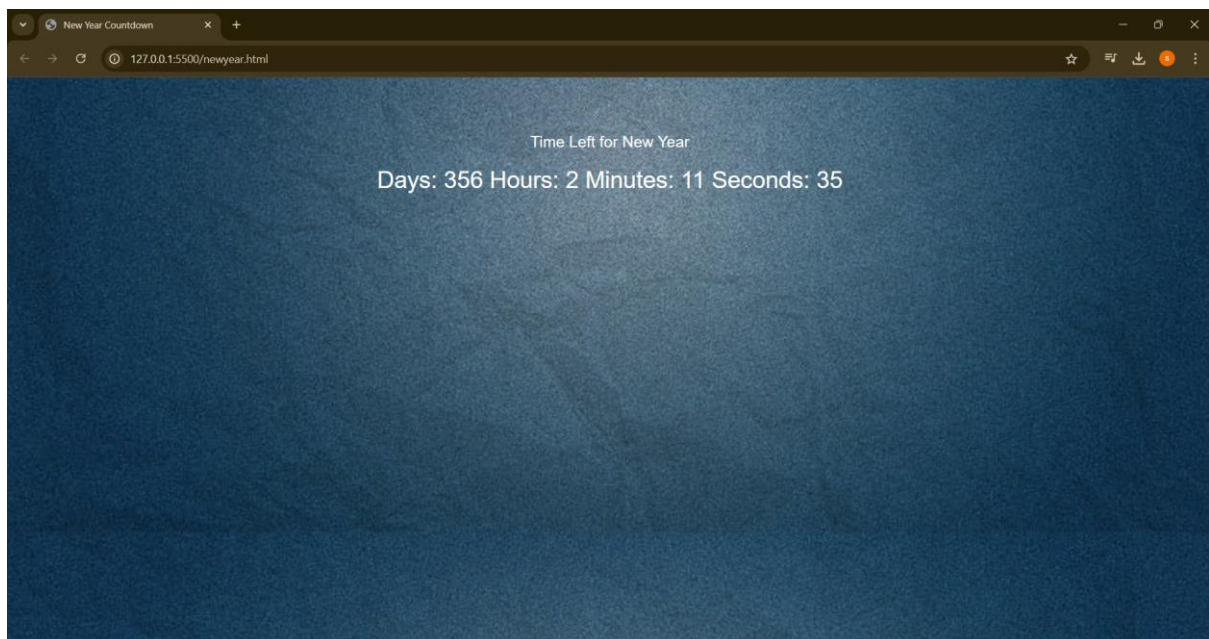
```
}  
.label {  
    font-size: 20px;  
    margin-bottom: 20px;  
}  
</style>  
</head>  
<body>  
    <div>  
        <p class="label">Time Left for New Year</p>  
        <div id="countdown">Loading...</div>  
    </div>  
    <script>  
        function updateCountdown() {  
            const now = new Date();  
            const newYear = new Date(`January 1, ${now.getFullYear() + 1}  
00:00:00`);  
            const timeDifference = newYear - now;  
            const days = Math.floor(timeDifference / (1000 * 60 * 60 *  
24));  
            const hours = Math.floor((timeDifference % (1000 * 60 * 60 *  
24)) / (1000 * 60 * 60));  
            const minutes = Math.floor((timeDifference % (1000 * 60 *  
60)) / (1000 * 60));
```

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```
const seconds = Math.floor((timeDifference % (1000 * 60)) /  
1000);  
  
document.getElementById('countdown').innerHTML =  
`Days: ${days} Hours: ${hours} Minutes: ${minutes} Seconds:  
${seconds}`;  
  
}  
  
setInterval(updateCountdown, 1000);  
  
updateCountdown();  
  
</script>  
</body>  
</html>
```





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### 3) Live Timer

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

```
  <title>Simple Clock with Greeting</title>
```

```
  <style>
```

```
    body {
```

```
      background-image: url("imagebg.jpg");
```

```
      background-size: cover;
```

```
      background-position: center;
```

```
      color: white;
```

```
      font-family: Arial, sans-serif;
```

```
      display: flex;
```

```
      flex-direction: column;
```

```
      justify-content: center;
```

```
      align-items: center;
```

```
      height: 100vh;
```

```
      margin: 0;
```

```
    }
```

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```
#greeting {
    font-size: 30px;
    margin-bottom: 20px;
}

#clock {
    font-size: 50px;
    font-weight: bold;
}

</style>
</head>
<body>
    <div id="greeting">Good Morning!</div>
    <div id="clock">00:00:00 AM</div>
    <script>
        function updateClock() {
            var now = new Date();
            var hours = now.getHours();
            var minutes = now.getMinutes();
            var seconds = now.getSeconds();
            var ampm = hours >= 12 ? 'PM' : 'AM';
            if (hours > 12) {
                hours = hours - 12;
            } else if (hours === 0) {
```

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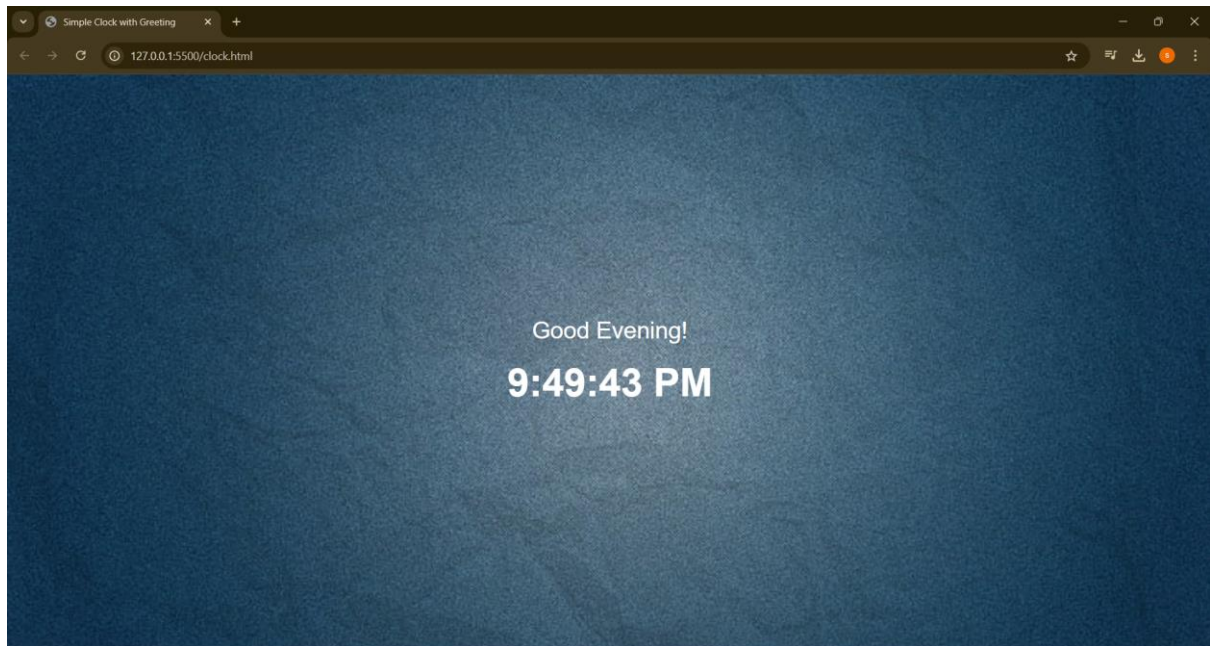
```
    hours = 12; // 12 AM
}
if (minutes < 10) { minutes = '0' + minutes; }
if (seconds < 10) { seconds = '0' + seconds; }
document.getElementById('clock').innerHTML = hours + ':' +
minutes + ':' + seconds + ' ' + ampm;
if (hours >= 5 && hours < 12 && ampm === 'AM') {
    document.getElementById('greeting').innerHTML = "Good
Morning!";
} else if (hours >= 12 && hours < 5 && ampm === 'PM') {
    document.getElementById('greeting').innerHTML = "Good
Afternoon!";
} else {
    document.getElementById('greeting').innerHTML = "Good
Evening!";
}
}

setInterval(updateClock, 1000);
</script>
</body>
</html>
```

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### 4) HOME PAGE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Main Menu</title>
  <style>
    body {
      background-image: url("imagebg.jpg");
      background-size: cover;
      background-position: center;
      text-align: center;
      color: white;
      font-family: Arial, sans-serif;
      margin: 0;
      height: 100vh;
    }
  </style>
</head>
<body>
```

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```
<h1>Welcome to My Website</h1>
<h2>Click the buttons below to view the respective websites</h2>
<button onclick="window.location.href='age.html'">DOB</button>
<br><br>
<button
onclick="window.location.href='newyear.html'">NEWYEAR</button>
<br><br>
<button
onclick="window.location.href='clock.html'">LIVETIMER</button>
</body>
</html>
```

