



Alarm Clock In JavaScript | JavaScript Tutorial In Hindi #54

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Alarm Clock In JavaScript Exercise 6: Solution | JavaScript Tutorial In Hindi #54

This tutorial contains the solution to Exercise 6, i.e. ***Creating an Alarm App***. The problem statement, along with the instructions, is given below:

Problem Statement:-

The task you have to do is to create an alarm clock in JavaScript (Use your creativity). The Alarm app should allow the user to set the alarm for a certain time. To add the audio, search “how to play audio in js” on google, most probably you will find the code from stack overflow. Or you can use the following code:

```
var audio = new Audio('https://interactive-examples.mdn.mozilla.net/media/examples/t-rex-roar.mp3');
audio.play();
```

Code as described/written in the video

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
```

```
    integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous">
</head>

<body>
  <div class="container">
    <h1 id="heading" class='yourhead rhia is'> Welcome to Code With Harry</h1>
    <div id="myfirst" class="child red good" id="first">child 1

      <ul class="this" id='myul'>
        <li class="childul" id='fui'>this</li>
        <li class="childul">is</li>
        <li class="childul">a</li>
        <li class="childul">list </li>
        <li class="childul" id='lui'>of my dreams</li>
      </div>
    <div class="child">child 2</div>
    <div class="child red">child 3</div>
    <div class="child">child 4</div>
    <form action="none.html" method="post">
      <a href="//codewithharry.com">Go to Code With Harry</a>
      <br>
      <br>
      Search this website: <input type="text" name="Hello" id="">
      <button id="btn">Submit form</button>
      <!-- <input type="button" id='btn' value="submit"> -->
    </form>
  </div>
  <!-- <br>
  <div class="no">this is a dummy div1</div>
  <div class="no">this is a dummy div2</div>
  <div class="no">this is a dummy div3</div> -->
  <div class="container">
    <h1>Student list</h1>
    <ul id="students"></ul>

    <button id="myBtn" class="btn btn-primary">Your Button</button>
    <button class="btn btn-primary">Fetch Data</button>
```

```
<div id="content"></div>
</div>

<div class="container my-3">
  <h1>Option to set an alarm</h1>

  <form>
    <div class="form-group">
      <label for="alarm">Set Alarm</label>
      <input type="text" class="form-control" id="alarm" name="alarm"
        placeholder="Enter the time in yyyy-mm-dd hh:mm:ss">

      <small id="alarmHelp" class="form-text text-muted">We'll never share your alarm with anyone else.</small>
    </div>

    <button id="alarmSubmit" type="submit" class="btn btn-primary">Set Alarm</button>
  </form>

  <div class="my-2">
    <ul id="defs"></ul>
  </div>
</div>

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
  integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
  crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
  integrity="sha384-U02eT0CpHqdSJQ6hJty5KVphtPhzWj9W01c1HTMga3JDZwrnQq4sF86dIHNDz0W1"
  crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
  integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/njGzIxFDsf4x0xIM+B07jRM"
  crossorigin="anonymous"></script>
</body>
<!-- <script src="js/tut12.js"></script> -->
<!-- <script src="js/tut14.js"></script> -->
<!-- <script src="js/tut15.js"></script> -->
<!-- <script src="js/tut16.js"></script> -->
```

```
<!-- <script src="js/tut17.js"></script> -->
<!-- <script src="js/tut18.js"></script> -->
<!-- <script src="js/tut20.js"></script> -->
<!-- <script src="js/tut21.js"></script> -->
<!-- <script src="js/tut23.js"></script> -->
<!-- <script src="js/tut24.js"></script> -->
<!-- <script src="js/tut25.js"></script> -->
<!-- <script src="js/tut27.js"></script> -->
<!-- <script src="js/tut28.js"></script> -->
<!-- <script src="js/tut30.js"></script> -->
<!-- <script src="js/tut31.js"></script> -->
<!-- <script src="js/tut32.js"></script> -->
<!-- <script src="js/tut34.js"></script> -->
<!-- <script src="js/tut37.js"></script> -->
<!-- <script src="js/tut39.js"></script> -->
<!-- <script src="js/tut39b.js"></script> -->
<!-- <script src="js/tut41.js"></script> -->
<!-- <script src="js/tut43.js"></script> -->
<!-- <script src="js/tut44.js"></script> -->
<!-- <script src="js/tut 45.js"></script> -->
<!-- <script src="js/tut46.js"></script> -->
<!-- <script src="js/tut47.js"></script> -->
<!-- <script src="js/tut48.js"></script> -->
<!-- <script src="js/tut49.js"></script> -->
<!-- <script src="js/tut51.js"></script> -->
<!-- <script src="js/tut52.js"></script> -->
<!-- <script src="js/tut53.js"></script> -->
<script src="js/tut54.js"></script>

</html>
```

JavaScript Code as described/written in the video

```
console.log("This is tutorial 54");
const alarmSubmit = document.getElementById('alarmSubmit');

// Add an event listener to the submit button
alarmSubmit.addEventListener('click', setAlarm);
```

```
var audio = new Audio('https://interactive-examples.mdn.mozilla.net/media/examples/t-rex-roar.mp3');

// function to play the alarm ring tone
function ringBell() {
    audio.play();
}

// This function will run whenever alarm is set from the UI
function setAlarm(e) {
    e.preventDefault();
    const alarm = document.getElementById('alarm');
    alarmDate = new Date(alarm.value);
    console.log(`Setting Alarm for ${alarmDate}...`);
    now = new Date();

    let timeToAlarm = alarmDate - now;
    console.log(timeToAlarm);
    if(timeToAlarm>=0){
        setTimeout(() => {
            console.log("Ringing now")
            ringBell();
        }, timeToAlarm);
    }
}
```

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