



## Creating a Clock: Exercise 6 Solution | JavaScript Tutorial In Hindi #62

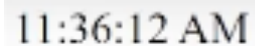
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## Creating a Clock: Exercise 6 Solution | JavaScript Tutorial In Hindi #62

This tutorial contains the solution to Exercise 7, i.e. ***Creating an Wall Clock***. The problem statement, along with the instructions, is given below:

**Problem Statement:-**

You have to create a wall clock using JavaScript. The clock should display at the top of the website. Here is the image of how your clock should look like:

**Code file clock.html as described 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">
  <title>Alarm Clock</title>
</head>
<body onload="updateClock(); setInterval('updateClock()', 1000)">
  <div id="clock">
```

```
    </div>
</body>
<script src="clock.js"></script>
</html>
```

### Code file clock.js as described in the video

```
console.log("This is clock.js")

function updateClock(){
    // Get the current date
    let currentTime = new Date();

    // Extract hour, minute and seconds from the date
    let currentHour = currentTime.getHours();
    let currentMinutes = currentTime.getMinutes();
    let currentSeconds = currentTime.getSeconds();

    // Pad 0 if minute or second is less than 10 (single digit)
    currentMinutes = (currentMinutes < 10 ? "0": "") + currentMinutes;
    currentSeconds = (currentSeconds < 10 ? "0": "") + currentSeconds;

    // Convert railway clock to AM/PM clock
    currentHour = (currentHour>12) ? currentHour - 12 : currentHour;
    currentHour = (currentHour==0) ? 12 : currentHour;

    // Choose AM/PM as per the time of the day
    let timeOfDay = (currentHour < 12 ) ? "AM" : "PM";

    // Prepare the time string from hours, minutes and seconds
    let currentTimeStr = currentHour + ":" + currentMinutes
        + ":" + currentSeconds + " " + timeOfDay;

    // Insert the time string inside the DOM
    document.getElementById("clock").innerHTML = currentTimeStr;
}
```

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