JavaScript Date Set Methods

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Set Date Methods

Set methods allow you to set date values (years, months, days, hours, minutes, seconds, milliseconds) for a Date Object.

The setFullYear() Method

`setFullYear()` sets the year of a date object:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Date Set Methods</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>The setFullYear() Method</h4>
<p id="demo"></p>

<script>
const d = new Date();
d.setFullYear(2020);

document.getElementById("demo").innerHTML =
  "After setFullYear(2020):<br>" + d;
</script>

</body>
</html>
```

Example 1

Result View Example

The setMonth() and setDate() Methods

`setMonth()` sets the month (0-11). `setDate()` sets the day of month (1-31):

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Date Set Methods</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>The setMonth() and setDate() Methods</h4>
<p id="demo"></p>

<script>
// Set to March (month 2)
const d1 = new Date();
d1.setMonth(2);

// Set to day 15
const d2 = new Date();
d2.setDate(15);

document.getElementById("demo").innerHTML =
  "setMonth(2) - March: " + d1 + "<br>" +
  "setDate(15): " + d2;
</script>

</body>
</html>
```

Example 2

Result View Example

The setHours() and setMinutes() Methods

`setHours()` sets the hours (0-23). `setMinutes()` sets the minutes (0-59):

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Date Set Methods</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>The setHours() and setMinutes() Methods</h4>
<p id="demo"></p>

<script>
// Set hours to 14 (2 PM)
const d1 = new Date();
d1.setHours(14);

// Set minutes to 45
const d2 = new Date();
d2.setMinutes(45);

document.getElementById("demo").innerHTML =
  "setHours(14) - 2 PM: " + d1 + "<br>" +
  "setMinutes(45): " + d2;
</script>

</body>
</html>
```

Example 3

Result View Example

Compare Dates

Dates can easily be compared using comparison operators (`<` , `>` , `==` , `!=`):

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Date Set Methods</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Compare Dates</h4>
<p id="demo"></p>

<script>
let text = "";

const today = new Date();
const someday = new Date();
someday.setFullYear(2100);

if (someday > today) {
  text = "Today is before 2100.";
} else {
  text = "Today is after 2100.";
}

// Also compare with getTime()
const d1 = new Date(2024, 0, 1);
const d2 = new Date(2024, 0, 15);
text += "<br><br>d1 (Jan 1) < d2 (Jan 15): " + (d1.getTime() < d2.getTime());

document.getElementById("demo").innerHTML = text;
</script>

</body>
</html>
```

Example 4

Result View Example

Document

Document in project

You can Download PDF file.

Reference

- W3Schools JavaScript Date Set Methods